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S & W

HIGH GRADE  
SEEDS

W. W. TRACY, Jr.

6261



1906  
Stump & Walter Co.  
50  
BARCLAY ST.  
NEW YORK

1905

COLLECTION  
FLOWER SEEDS.

- 1 PKT. NASTURTIUM,  
GIANT HYBRIDS, MIXED.
- 1 PKT. COSMOS, MAMMOTH,  
MIXED.
- 1 PKT. PETUNIA, LARGE FLOWER-  
ING, MIXED.
- 1 PKT. VERBENA, MAMMOTH, MIXED.
- 1 PKT. POPPY, SHIRLEY, MIXED.
- 1 PKT. PANSY, NON PLUS ULTRA.
- 8 VARIETIES, LARGE PACKET, EACH,  
POSTPAID, 50c.



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Sackett & Wilhelms Litho & Ptg Co. New York.

BRANCH STORE  
404 E. 34<sup>TH</sup> ST. N.Y.



# GOLD MEDAL AWARDED AT WORLD'S FAIR, ST. LOUIS, 1904

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WILLIAM BERRI, *VICE PRESIDENT*



EDWARD LYMAN BILL, *TREASURER*  
CHARLES A. BALL, *SECRETARY AND*  
*CHIEF EXECUTIVE OFFICER*

## STATE OF NEW YORK LOUISIANA PURCHASE EXPOSITION COMMISSION

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JOHN K. STEWART  
JAMES H. CALLANAN

OFFICES  
120 BROADWAY, NEW YORK CITY  
PHONE. 2376 CORTLANDT

COMMISSIONERS  
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JAMES H. CALLANAN  
JOHN YOUNG  
MRS. NORMAN E. MACK

Agricultural Building, St. Louis, Mo.

November 3, 1904.

Messrs Stumpp & Walter Co.,

50 Barclay Street, New York.

Dear Sirs:


I have the pleasure to inform you that you have been awarded a Gold Medal on your collection of Grains and Seeds.

Congratulating you on your success, I am,

Yours truly.

**SPECIAL PREMIUM OFFER** We will allow on all orders for Vegetables and Flower Seed in packets and ounces only, amounting to \$1.00 or over, a Special Premium of 10 per cent. to be selected in Vegetable Seeds, Flower Seeds or Bulbs. This discount applies to Seeds and Bulbs only.

We cannot allow this premium on Fertilizers, Insecticides, Implements, Farm Seeds, Potatoes, or Grass Seeds.

 OUR list of seeds comprises all the standard varieties, together with those apparently most valuable of recent introduction. The seeds we offer have been raised under the supervision of our most reliable growers, and are unsurpassed in quality; but as practical experience has demonstrated that owing to unfavorable weather and improper treatment the best of seed may fail, we desire it distinctly understood that for these reasons only we do not warrant seed.

Vegetable or Flower Seeds ordered by the packet, oz., 2 oz., 4 oz. and 1 lb. will be sent postpaid. On Peas, Beans and Corn, 15 cents per quart must be added to cover postage.

Remittances should be made by Draft on Bank, Post Office Order, Registered Letter or Express Money Order. Small sums may be sent in Postage Stamps of small denominations. Particular care is essential in having Name, Post Office, County and State distinctly written. We are in receipt of many orders deficient in these important particulars, often causing a delay of weeks in executing them, to the great inconvenience of both parties.

Please take notice that we have opened a branch store at 404 East 34th Street, near the Long Island Ferry, making it convenient for our Long Island friends and patrons to leave their orders at said store, where they will be given the same prompt and careful attention as is practiced in our down-town store.

Asking a fair examination of this Catalogue and soliciting your future orders, we remain, with thanks for past favors,

Very respectfully,

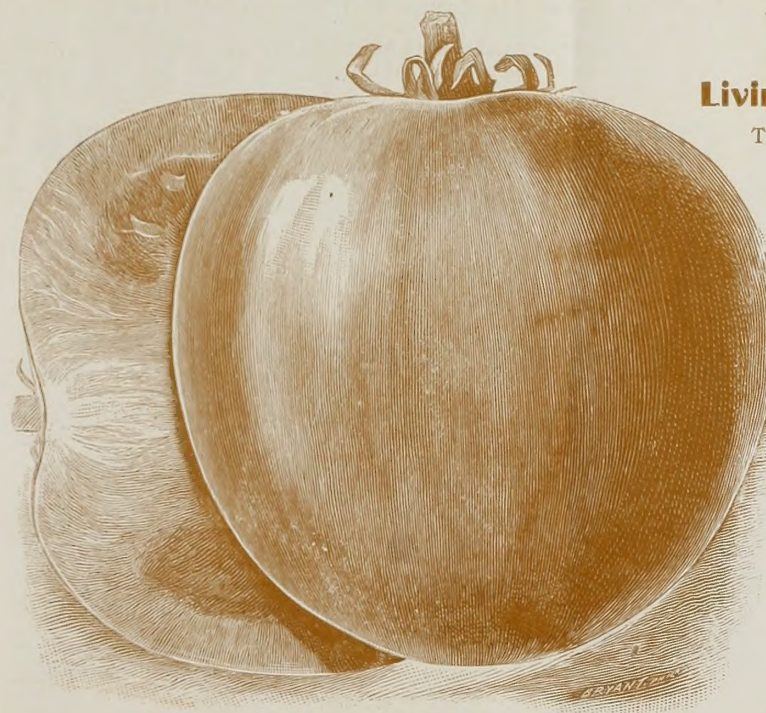
JULIAN H. WALTER, Pres.  
GEORGE G. STUMPP, Treas.  
HENRY EICKE, Secy.

**STUMPP & WALTER CO.**

Branch Store: 404 E. 34th St., N. Y. 50 BARCLAY STREET, NEW YORK



# NOVELTIES AND SPECIALTIES IN VEGETABLE SEED



*Livingston's Globe Tomato.*

## TOMATO

### Livingston's New Globe

The fact that this is another new Tomato originating with the Livingstons, of world-wide Tomato fame, will be sufficient to warrant most growers of fine Tomatoes to give it a liberal trial. It is of beautiful globe shape, with quite a percentage of elongated (stem to blossom) fruits, which permits of a greater number of slices being taken than with flat fruited sorts. Among the very first to ripen, although of large size, very smooth, firm fleshed, few seeds, ripens evenly; color a beautiful glossy rose, tinged purple. Flavor very delicate and agreeable; splendid slicing variety. The fruit is borne on short jointed, branching plants in great abundance—literally loaded with fruit. A good general cropper, and one of the very best for greenhouse growing or first early crop on stakes or trellis. An entirely distinct and fixed new sort. Every grower of Livingston's New Globe, whether he grows for private or market purposes, will be pleased with the beautiful and attractive globe shaped fruit. Offered this season in packets of 40 seeds each. Per pkt. 20c., 3 pkts. 50c.

## CUCUMBER

### Small Green Pickling

This is the most desirable shape for pickles. The Cucumbers are well shaped, hard and excellent yielders, and anyone wanting a first-class cucumber for pickling purposes should select this variety in preference to all others. Per pkt. 10c., oz. 25c., ¼ lb. 75c.

## NEW POTATO

### Noroton Beauty

Noroton Beauty is a lineal descendant of the famous Peach Blow, being a seedling from a seedling of that variety.

It is the earliest Potato ever grown.

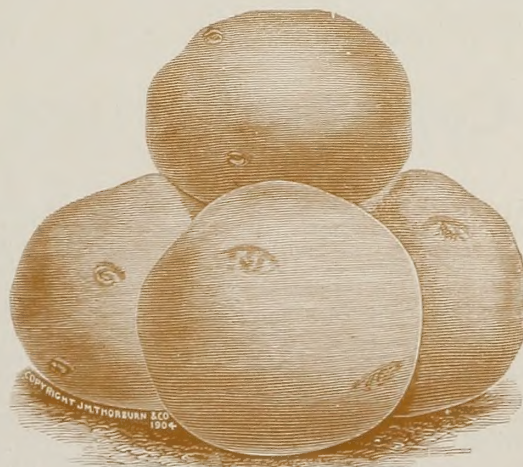
It is by far the most productive extra-early, yielding as heavily as any of the medium early sorts.

It is handsomer in appearance and more uniform in size and shape than any other variety.

Its table quality is superb and it keeps longer than any other sort, early or late.

It is the best all-round Potato in existence.

	By mail or express prepaid	By express or freight not prepaid
1 pound.....	\$0 85	\$0 75
2 pounds .....	1 50	1 30
4 pounds.....	2 75	2 40
8 pounds.....	5 00	4 25
Per peck (15 lbs.).....		7 00
Per half bushel (30 lbs.).....		13 00
Per bushel (60 lbs.).....		24 00
Per barrel (165 lbs.).....		44 00



*Noroton Beauty Potato.*





Thomas Laxton Pea.

successive years almost double the yield per acre of any other variety we have grown, early or late.

Incredible as this may seem, it is readily accounted for by the fact that the stalks bear from two to five ears each and the growth being dwarf—about 4 feet—admits of very close planting.

Per pkt. 200 seeds 15c., per pt. 25c., per qt. 40c., 2 qts. 75c.

## Cabbage-Lettuce

### Dumont

The great value of this Lettuce, which has actually been cultivated in quantities for the markets of Boston and other large places with the greatest success, and of which the most favorable reports have been received from all parts, is its surprisingly rapid development, its size, weight, tenderness, hardness, and the fact that it not only forces well in moderate heat, but develops its large crop of magnificent heads in the open ground about 10 days sooner than any other sort. The head is of globular shape, hard and well closed; the leaves are light green, with delicate ribs and lightly waved; the interior is of a clear yellow, very tender and of fine flavor. Per pkt. 10c., per ½ oz. 25c., per oz. 40c., per ¼ lb. \$1.50.

## NEW PEA Thomas Laxton

A remarkably fine early wrinkled Pea, and we think destined to supersede "Gradus." In many characteristics it resembles that excellent sort, but the pods differ in shape, and are certainly more numerous. Our trials last season on this Pea were most satisfactory; it is not alone early, but the Peas are large, sweet, and have that fine flavor that is so much sought after, but very rarely found in an extra early Pea. Our stock of this Pea is very carefully selected and should be grown in every garden. It grows about 3 feet in height, but does not need brushing. Per ½ pt. 15c., per pt. 30c., per qt. 50c., per pk. \$3.25.

## BRUSSELS SPROUTS

### S. & W. Co.'s Favorite

The finest selection in existence—produces a most abundant crop of large, solid Sprouts, delicious in flavor, which come to maturity earlier than other sorts. Per pkt. 10c., per ½ oz. 25c., per oz. 40c.

## SWEET CORN Peep o' Day

The two points of this remarkable corn to which we wish to call most particular attention are its extraordinary earliness and unparalleled sweetness; surpassing in these particulars any other known variety, early or late.

So marked is its sweetness and delicacy of flavor, that many of our customers who have been in the habit of planting several varieties to secure a succession, now plant Peep o' Day exclusively, arranging the plantings a few days apart so as to have this delicious corn throughout the entire season.

Another point of great importance is the wonderful productiveness of Peep o' Day.

The early varieties of sweet corn do not as a rule yield as heavily as the late sorts, but Peep o' Day not only surpasses in this particular all other early varieties, but all late varieties as well; in fact, our crops of Peep o' Day have given us for three



Peep o' Day Sweet Corn.

A point of merit in our Peep o' Day Corn is the SIZE OF THE COR. It is delicate and dainty, just right to handle at the table. Ladies who relish sweet corn will no longer be obliged to hide their lovely features behind a great unwieldy cob of corn while securing the succulent kernels.





Lettuce Eclipse Cos.

## DARK-LEAVED GLOBE BEET

Hitherto, the improved selections of turnip-rooted beet have been wanting in that important essential, a dark leaf. The

**The Dark  
Fleshed  
Round Beet.**

novelty we offer has not only a dark leaf like the best decorative strains, but is

equal in the color of the flesh to the Dell's type. These two important features, coupled with its handsome form, place this variety in the front rank of this class of Beet. Per pkt. 10c., per oz. 25c., per  $\frac{1}{4}$  lb. 75c.



S. &amp; W. Co.'s Selected Stock—Rocky Ford Musk Melon.

## ECLIPSE COS LETTUCE

A perfectly distinct variety. It is the dwarfest Cos Lettuce, and produces a firm crisp heart quicker than other sorts. Moreover, it is the most self-folding variety. These three characteristics will ensure its demand for early use, whether in the gentleman's garden or for market work. In color it resembles the Paris White, but is somewhat greener. Per pkt. 15c., per  $\frac{1}{2}$  oz. 30c., per oz. 50c.

**The Earliest  
and  
Dwarfest  
Cos Lettuce.**

## KOHL RABI Earliest Selected

(For Frames)

A variety with few and small leaves; can be planted very closely; very useful for general culture and indispensable for forcing. Per pkt. 10c., oz. 50c.



S. &amp; W. Co.'s Dark-Leaved Globe Beet.

## CAULIFLOWER

**S. & W. Co.'s Best of All.** It is of very dwarf, erect habit, with short outer leaves. Can be planted less than two feet apart each way. It is a **sure header**, every plant forming a large, solid, perfect head, of the finest table quality. Per pkt. 100 seeds 25c., per  $\frac{1}{8}$  oz. \$1.00, per  $\frac{1}{4}$  oz. \$1.75.

## S. & W. Co.'s Selected Stock. ROCKY FORD MUSK MELON

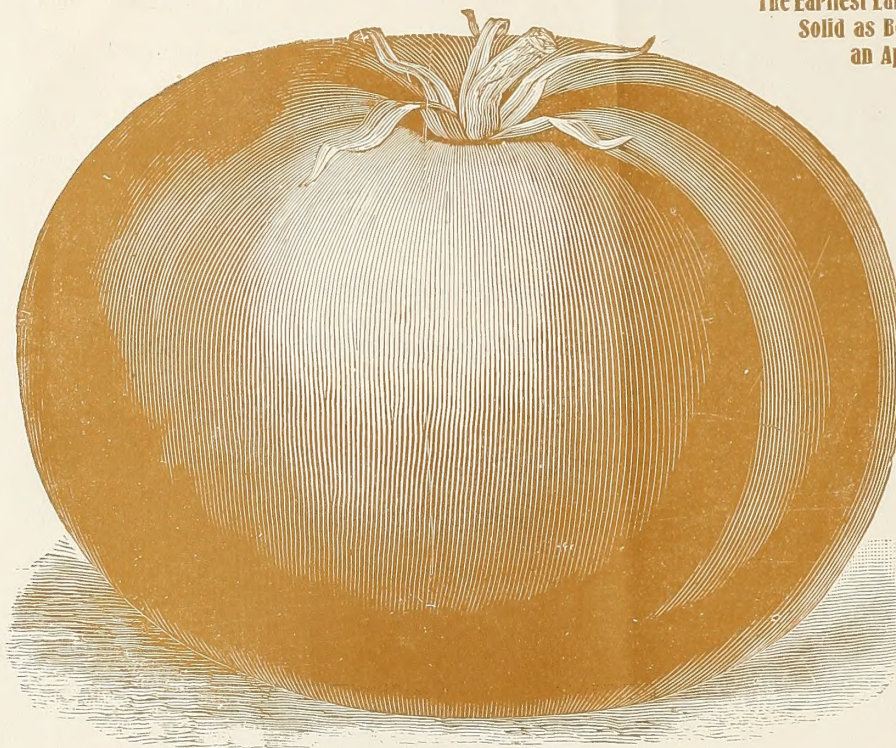
This is without a doubt the finest of all the melons, sweet and delicious. This famous variety is the finest early green-fleshed melon in cultivation. The fruits are remarkably uniform in size, weighing from one and a quarter to one and a half pounds each. They are quite thick meated, with very thin rinds; skin light green, regularly ribbed and heavily netted, turning to a golden yellow as the melons ripen. Flesh light green in color, firm, but melting, of uniformly fine flavor. Per pkt. 10c. per oz. 30c., per  $\frac{1}{4}$  lb. \$1.00.

**Our Stock is  
Extra Fine,  
Selected Only  
from the  
Choicest Melons.**



# CRIMSON CUSHION TOMATO

The Earliest Large Tomato. Almost Seedless.  
Solid as Beefsteak. As Smooth as  
an Apple. Very Large.



*Crimson Cushion Tomato.*

The "Crimson Cushion" is more symmetrical in shape than the Ponderosa, and is much thicker through from stem to "blossom end"; in fact, so marked is this characteristic that it is frequently almost round. The Color is brilliant scarlet-crimson, untinged with purple, and ripens up almost completely to the stem. The "Crimson Cushion" is almost seedless, requiring from 10 to 12 bushels of ripe fruit to produce 1 pound of seed, whereas a pound of seed is realized from 3 bushels of ordinary Tomatoes. These figures tell better than any description the "seedless" character of this grand variety. The flesh is firm and "meaty," and of superb quality. It is enormously prolific and early for so large a Tomato. Per pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb., \$1.50

## Emerald Isle Kale

The Finest Kale in the World

This is really the handsomest Kale that has ever come under our notice and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine exhibition plant of medium height. Per pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 30c.

## PARSLEY CURLED BEAUTY

Distinct in appearance from any of the other varieties, being of a lighter and more brilliant shade of green. The plant is of dwarf habit, with leaves finely cut and very curly. To growers for the market, as well as for private gardens, we commend this sort. Per pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 90c.



*Curled Beauty Parsley.*

## GRADUS Extra Early Wrinkled Pea

Large-podded and of splendid quality; the most desirable sort for the home garden. The vine of this most distinct sort is like that of First and Best, except that it grows a little taller and produces peas fit for use a few days later. The immense pods are as large as those of the Telephone, uniformly well shaped and handsome, and more attractive than those of other first earlies. They ripen slowly and continue fit for use much longer than most varieties, making this by far the most desirable sort for the home garden. The Peas are very large, of splendid quality and beautiful color, which they retain after cooking. Per  $\frac{1}{2}$  pt. 15c., per pt. 30c., per qt. 50c., per pk. \$3.25.



# High-Grade Vegetable Seeds

PLEASE NOTICE that the prices herein quoted include delivery on seeds in packets, ounces and pounds. On Peas, Beans and Corn, add 15c. per quart to cover postage.

## ASPARAGUS

One ounce will plant about 50 feet of drill.

**CULTURE.**—Sow in November or March in drills two inches deep and fourteen inches apart. After one year the roots will be fit to transplant. The principal points to be attended to in planting are good drainage, trenching the ground three feet in depth, mixing in a heavy portion of rotten manure, also adding a good portion of sea or river sand. Plant out in spring, in beds three or four feet in width, each plant one foot apart. Fork over the surface of the beds in fall, and cover with rotten manure.

**Conover's Colossal.** A mammoth green sort of the largest size and of good quality. The best of the old kinds. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 40c.

**Columbian Mammoth White.** A sport from Conover's Colossal. It produces pure white shoots and requires no artificial blanching. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c.

**Palmetto of Southern Origin.** A very desirable bright green Asparagus. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c.

## ASPARAGUS ROOTS

**Selected Roots**, either variety . . . . . \$0.75 per 100; \$6.00 per 1000

**Extra Selected Roots**, either variety . . . . . 1.50 " 10.00 "

**Mammoth** " " " . . . . . 2.00 " 15.00 "



*Columbian Mammoth White.*

### NOTICE

Our packages of Beans contain a full half-pint.

## BEANS

One quart will plant 100 feet of drill.

**CULTURE.**—About the first of May select a warm, dry sheltered spot, dig and manure slightly, make drills two inches deep and eighteen inches apart; place the beans three inches apart in the drills and cover about two inches deep; use the hoe frequently to keep down the weeds. Sow every two weeks for a succession.



*Dwarf Bean.*

### DWARF WAX, PODDED VARIETIES

**Improved Black Wax.** Very early and productive. Per pkt. 10c., pt. 15c., qt. 30c., pk. \$1.50.

**Improved Golden Wax.** Very early, round golden pods. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00.

**Refugee Wax.** Earliest of all the wax beans, with long yellow pods; wonderfully productive. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$1.50.

**Wardwell Kidney Wax.** Extra early, long flat purely wax pods. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00.

**White Wax.** Stringless yellow pods, very tender. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75.

**Flageolet Wax.** This is really one of the most valuable varieties for either private or market garden purposes. It is as early as either the Black or Golden Wax sorts, and has a peculiar value in the fact that it is nearly always exempt from rust. The pods are often a foot in length, exceedingly succulent and tender. It is an enormously productive variety. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

**Jones' Stringless Rust Proof Wax.** This grand absolutely stringless bean is the result of five years' systematic cross-breeding. It will without doubt become one of the most popular of all our Wax varieties now grown, combining points never before obtained in a true stringless wax pod. Per pkt.  $\frac{1}{2}$  pt. 15c., pt. 25c., qt. 40c.

**Yosemite.** Mammoth Wax. The pods frequently attain a length of 10 inches, with the thickness of a man's finger; the pods are of a rich golden color and are absolutely stringless, cooking tender and delicious. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

**Davis Kidney Wax.** This is the most hardy and productive bush wax podded bean in cultivation. The vine is rustless and very vigorous, bearing near the center many clusters, some of which extend above the foliage. The dry beans are kidney-shaped, clear white, and excellent for baking. Per pkt. 10c., pt. 20c., qt. 30c.

**Valentine Wax.** It is handsome in appearance, and while it is fair to say that we have not yet seen it exposed to conditions conducive to the development of rust, yet we think it will prove to be almost rustless. Per pkt. 10c., pt. 20c., qt. 30c.

### ENGLISH OR BROAD

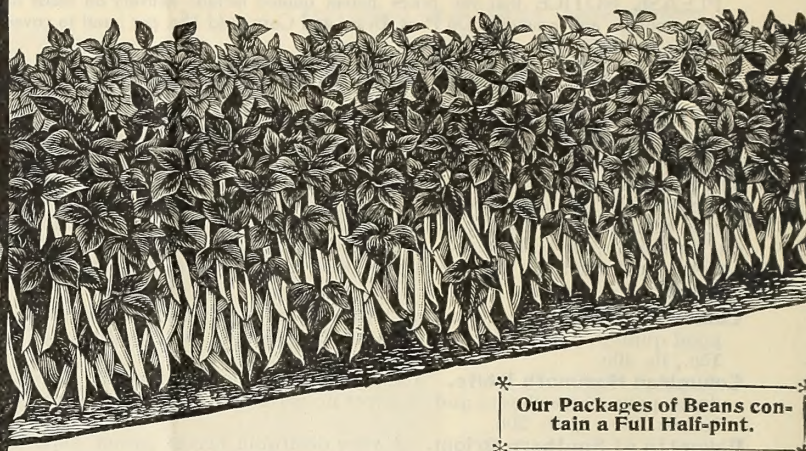
One quart will plant 100 feet of drill.

**Early Mazagan.** Very early, hardy and bears freely. Per pkt. 10c., qt. 25c.

**Broad Windsor.** The largest variety grown; very tender and delicious. Per pkt. 10c., pt. 20c., qt. 40c.



## DWARF GREEN PODDED BEANS



Our Packages of Beans contain a Full Half-pint.

**Burpee's Stringless.** The only stringless green pod bush bean in cultivation, consequently it surpasses all others in crisp, tender flavor. The finely shaped, long green pods are absolutely stringless; and when we add that the pods are ready to market two weeks earlier than the best stock of improved Extra Early Red Valentine, we are sure that Stringless Green Pod will supply a long-felt want. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.50.

**Dwarf Horticultural.** Late and productive. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50.

**Refugee.** Medium to late, very productive and tender, and largely grown for main crop; round pods. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

**Black Valentine.** This variety possesses all the good qualities of the old favorite Red Valentine, besides other points, making it very valuable. Per pkt. 10c., pt. 20c., qt. 30c.

**Early Mohawk.** Very early, and very productive. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.00.

**Early Long Yellow Six Weeks.** Very early, flat pods. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

**Improved Red Valentine.** Round green pods, early and tender. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$1.25.

**Refugee Extra Early.** This sort has the qualities of the famous late variety of the same name, but is considerably earlier in podding. Per pkt. 10c., pt. 20c., qt. 25c., pk. \$1.25.

**White Marrow.** The variety so extensively grown for sale in the dry state. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.00, bush. \$3.50.

**Large White Kidney.** Excellent as a shell bean. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.00, bush. \$3.50.

### POLE, OR RUNNING BEANS

One quart will plant 100 hills.

**Old Homestead.** Enormously productive, the pods hanging in great clusters from top to bottom of the pole. It is entirely stringless, and the pods are a silvery-green color. Per pkt. 10c., pt. 25c., qt. 35c.

**Golden Champion.** This is certain to be the leading Early Wax Pole Bean, as it is fully two weeks earlier than the Golden Cluster Wax Pole. Per pkt. 10c., pt. 25c., qt. 40c.

**Lazy Wife's.** The very best late green podded pole bean. The pods are of a medium dark green color, broad, thick, very fleshy, and entirely stringless. Per pkt. 10c., pt. 25c., qt. 35c., pk. \$2.25.

**Horticultural, or Speckled Cranberry.** Pods are tender and of fine quality. Per pkt. 10c., pt. 20c., qt. 30c.

**Scarlet Runner.** Bright scarlet flowers. Used both as a string and shelled bean. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75.

**White Dutch Runner.** Per pkt. 10c., pt. 20c., qt. 30c.

### LIMA BEANS (Pole)

**Lima Challenger.** Early and very productive. Quality the best. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

**Lima. Early Jersey.** Medium early, very productive. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

**Lima. King of the Garden.** The pods are very long, and the green beans are extra large. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

**Lima. Large White.** Large, greenish-white beans, of finest flavor, shelled green, and also good dried for winter use. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

### FORD'S MAMMOTH

This Lima Bean is the result of over twenty years' selection by the late Jas. Ford, who was one of the oldest market gardeners around Philadelphia. The pods grow to an average length of eight inches, are produced in great clusters, with from five to seven beans per pod, of most excellent quality for using either green or dry. The vines grow vigorously, setting the beans early at the bottom of the pole, and continue in bearing right up to frost. Without exception the largest podded, finest flavored and most productive of all Lima beans. Per  $\frac{1}{2}$  pt. 15c., pt. 25c., qt. 45c.

### BUSH LIMA BEANS

One quart will plant 100 feet of drill.

Plant in light, rich soil, in drills two feet apart, dropping the seeds about one foot apart in a row, and cover two inches.

**Henderson's Bush Lima.** Early and very productive. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

**Burpee's Bush Lima.** A bush form of the large Pole Lima, the beans being large and flat like those of that variety. Very productive and of excellent quality. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

**Dreer's Bush Lima.** The bush form of Dreer's Improved Lima, the beans growing close together in the pods. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.





## BEET

One ounce will sow 100 feet of drill. and dry, in the spring, in drills two inches deep and eighteen inches apart; thin out to six inches. For family use in winter, sow in July or August.

**Culture.**—Sow as soon as the ground is free from frost

**Crimson Globe.** For description and cut see page 3. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c.

**Detroit Dark Red Turnip Beet.** Extended experience has shown this variety to be the best deep red turnip beet, not only for market gardeners, but for the home garden. Its small upright growing tops, early maturing, and the splendid shape and the color of the roots, make it popular with every one who plants it. Tops, small, upright growing, so that the rows may be close together; leaf stems and vines dark red, blade green; roots, globular or ovoid, peculiarly smooth; color of skin dark blood-red; flesh, bright red, zoned with a lighter shade, very crisp, tender and sweet, and remaining so for a long time. We believe that the stock of this variety which we offer will produce a crop more uniform in shape, color and quality than any other beet seed obtainable. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Crosby's Egyptian Beet.** An excellent first early variety—it produces roots of marketable size in shorter time than any other sort. This feature alone places it at the head of the list for growing in cold frames or greenhouses. In selecting this variety, we aim to keep it as uniform in shape and as dark in color as is possible without retarding its earliness. We also use great care to have its tops small, yet plenty large enough to bunch easily. After repeated comparative trials, we know that our type of Crosby's Egyptian Beet more nearly fills every requirement for the market gardener's use than any other stock. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 75c.

**Extra Early Egyptian.** Earliest of all the round sorts. Deep blood color. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Edmand's Blood Turnip.** Very regular in shape; deep blood-red color and exceedingly sweet. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Bassano.** Early, flat, of very light color. Sweetest of all the turnip varieties. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Eclipse.** Almost as early as the Egyptian, but of much finer quality. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Bastian's Blood Turnip.** Dark red; standard market garden sort. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Half-Long Blood Beet.** The top is medium in size and of a very rich glossy crimson. The bulb is three inches in diameter at shoulder, tapering in pear-shaped form to the slender root, and is entirely free from roughness. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

## SUGAR BEETS AND MANGELS

Use four to six lbs. of seed to an acre. Plant in drills about two feet apart each way; the seed should be dropped about two inches apart in drills; thin out plants to twelve inches apart.

**Mammoth Long Red.** Largest and most profitable variety grown for agricultural purposes. Per  $\frac{1}{4}$  lb. 15c., lb. 35c.

**Champion Yellow Globe.** Adapted for growing in shallow soils. Per  $\frac{1}{4}$  lb. 15c., lb. 35c.

**Red Globe.** Similar to the Yellow Globe. Per  $\frac{1}{4}$  lb. 15c., lb. 35c.

**White Sugar.** Useful for making sugar. Per  $\frac{1}{4}$  lb. 15c., lb. 25c.

**Klein Wanzleben.** Improved Sugar Beet. Per  $\frac{1}{4}$  lb. 15c., lb. 35c.

## BRUSSELS SPROUTS

One ounce will produce about 3000 plants.

**Culture.**—Sow in May, in shallow drills, one inch deep and twelve inches apart. Transplant in July. When the crown or top sprout is beginning to head, pinch it out, to admit of the whole strength being thrown into the side shoots. Very hardy. This is a delicious vegetable and should find a place in every garden; greatly improved by hard frosts.

**Improved Dwarf.** Compact heads of best quality. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2 00.

**Hercules.** New semi-dwarf, thickly covered with sprouts by the end of September; excellent. Per pkt. 10c.,  $\frac{1}{4}$  oz. 20c., oz. 35c.



Brussels Sprouts.



# CABBAGE

One ounce will produce about 3000 plants.

**CULTURE.**—Sow the early kinds in September, in shallow drills, six or eight inches apart. When large enough to handle transplant into a cold frame. Sow also in hotbeds in February and March, and in the open ground in April and May. The late varieties for fall and winter use sow in May, and transplant from the 8th to the 25th of July. Plant the early sorts twenty inches distant in a row and two feet between the rows; the latter sorts, two and a half feet each way. To be well grown, cabbages require a deep, rich loamy soil.

Our cabbage seed is especially grown for us on Long Island, and we offer it as being of superior quality.

**The Houser.** A new and entirely distinct round late cabbage; the largest, hardest-heading, fine-grained cabbage known. Per pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.

**Early Spring.** A new extra early cabbage, with a round, flat head, coming in with the Early Jersey Wakefield, and yielding one-third more on the same space of ground than any other extra early. Per pkt. 15c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Improved Early Jersey Wakefield.** The finest early variety grown; conical in shape; medium-sized heads; very solid and of superior quality. Per pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. 85c.

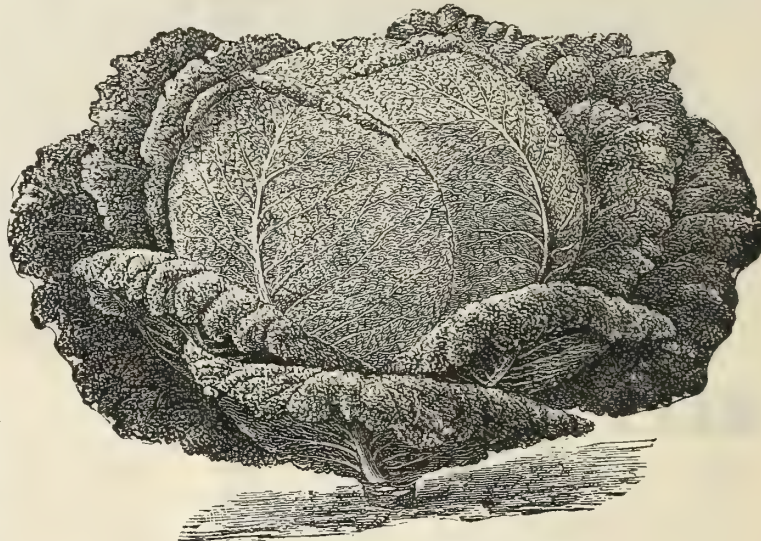
**The Charleston, or Large Type of Wakefield.** A variety having all the characteristics of the Early Jersey Wakefield, but of a greater size, and is but a few days later. Per pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 85c.

**Early Winnigstadt.** Standard second early variety. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Early Flat Dutch.** A valuable early market variety; heads weighing about 10lbs. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Early Summer.** A superior second early variety; produces solid heads of fine quality. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Holland, or Danish Ballhead.** Its principal value lies in its hard heading qualities, which make it positively the best shipper of any on the market. Per pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. 85c., lb. \$3.00.



*Cabbage, American Drumhead Savoy.*

**Henderson's Succession.** Very similar to the preceding variety. Per pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. 85c., lb. \$3.00.

**Autumn King.** We believe this to be one of the finest strains of late cabbage ever offered. It produces regular, even heads of enormous size; a magnificent crop. Per pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. 85c.

**American Drumhead Savoy.** None of the late-growing varieties can begin to equal in flavor this sort for family use; heads large, solid and a splendid keeper. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

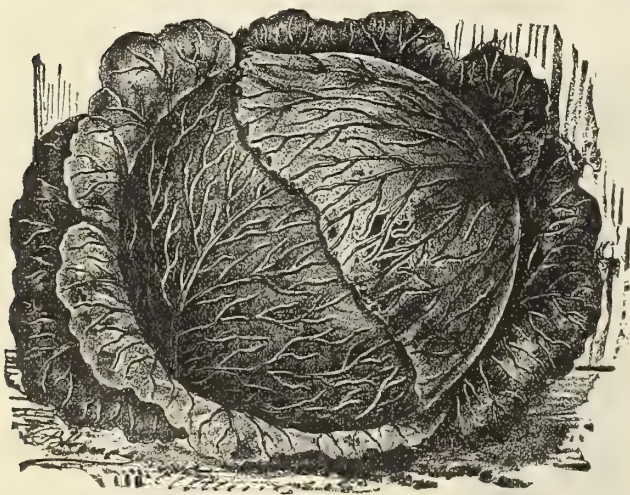
**Early Dwarf Ulm Savoy.** A very early and superior dwarf variety of fine quality. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Large Late Drumhead.** Very large, solid heads; standard variety for winter use. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Large Late Flat Dutch.** Without exception, the best variety in cultivation for winter use; produces immense heads of the finest quality; splendid keeper. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Mammoth Rock Red Cabbage.** This is by far the best, largest and surest heading red cabbage ever introduced. The plant is large, with numerous spreading leaves. The head is large, round, very solid, and of a deep red color. The best cabbage on the market. Per pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. 85c.

**Red Dutch.** Used almost exclusively for pickling. It is one of the hardiest of all cabbages, and when preserved will keep later in the season than any of them. It is slow to mature, however, and requires a rich soil for its perfect development. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.



*Cabbage, Holland or Danish Ballhead.*



*S. & W. Co's. Best of All.*

## CAULIFLOWER

One ounce will produce about 3000 plants. **CULTURE**—Sow the first week in May and prick out on a rich piece of ground; transplant in July. For wintering under glass sow in the second and last weeks in September; transplant thickly into a cold pit or frame; give plenty of air in mild weather, and cover up well in very severe. Again sow in February in a hotbed and transplant in April. For cauliflower the ground should be well prepared by trenching, incorporating at the same time a good share of rotten manure. Select new ground, if possible, as cauliflower rarely succeeds on ground which has been cropped year after year with other kinds of vegetables. Plant in rows twenty inches apart and two feet between the rows.

**S. & W. Co's Best of All, Earliest of All, Easiest Grown, Surest Header.** It is of very dwarf, erect habit, with short outer leaves. Can be planted less than two feet apart each way. It is a **sure header**, every plant forming a large, solid, perfect head, of the finest table quality. Per pkt. 100 seeds 25c., per 1000 seeds \$2.00.

**Selected Extra Early Dwarf Erfurt.** Per pkt. 25c.,  $\frac{1}{4}$  oz. \$1.75,  $\frac{1}{2}$  oz. \$3.00, oz. \$5.50.

**Early Dwarf Erfurt.** Per pkt. 15c.,  $\frac{1}{4}$  oz. \$1.00,  $\frac{1}{2}$  oz. \$1.75, oz. \$3.00.

**Early Paris.** An old and favorite sort, excellent for family use. Per pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.00.

**Selected Early Snowball.** One of the best for general use; medium size, but sure to head. Per pkt. 25c.,  $\frac{1}{4}$  oz. \$1.50, oz. \$4.50.

**Veitch's Autumn Giant.** Per pkt. 10c., oz. \$2.00.

## CRESS, OR PEPPER GRASS

One ounce will sow 150 feet of drill.

**CULTURE**—This popular salad should be sown early in the spring. Sow at short intervals for succession, as it soon runs to seed.

**Curled, or Pepper Grass.** Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 40c.

**True Erfurt Water Cress.** Per pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

*Water Cress.*

## CHERVIL

One ounce will sow 100 feet of drill.

**CULTURE**—The curled chervil is cultivated like parsley and used for garnishing and flavoring soups and salads.

**Moss Curled Extra.** Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Turnip Rooted.** Per pkt. 10c., oz. 25c.

## CHICORY

Chicory is used chiefly for its roots, which are dried and used as a substitute for coffee. Cultivate the same as carrots.

**Witloof.** Valuable as a salad as well as a vegetable. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Wild (Barbe de Capucin).** Per pkt. 10c., oz. 30c.

**Giant Silesian.** Per pkt. 5c., oz. 10c.

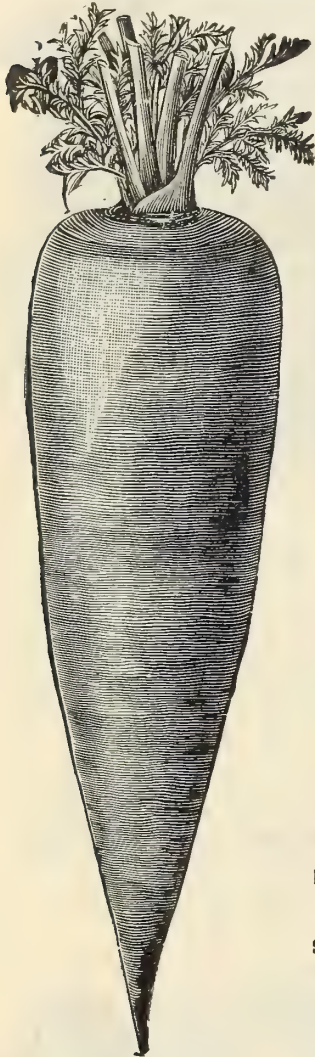
*Chicory, Witloof.*



# CARROT

One ounce will sow 100 feet of drill.

**CULTURE.**—To produce the finest crop, the land should be thoroughly manured the previous season; forked roots will result if the seed is sown on freshly manured soil. Sow the early sorts in March and April, in drills one inch deep and fourteen inches apart; thin out to six inches. For main crop sow in May or the beginning of June.



*James' Intermediate.*

**James' Intermediate.** This is certainly the best main crop carrot. It is one of the most uniform in shape that we know, and where the soil is favorable it will always grow clean and free from side roots. The core is small and very tender, and there is no indication of woody character at any stage of its growth. It is also entirely free from any coarse, rank flavor so common with many sorts. For private purposes it is ideal, and its yielding capacity is enormous, which, with its handsome color and fine appearance, makes it invaluable to truckers. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.



*Carrot, French Forcing.*

**Early French Forcing.** The earliest variety and the one largely grown for forcing purposes. It makes a small, almost globe-shaped root of an orange-red color. (*See cut.*) Per pkt. 5c., oz. 15c.,  $\frac{1}{2}$  lb. 40c., lb. \$1.20.

**Chantenay Half-Long Scarlet.** A stump-rooted variety, somewhat resembling the well-known Half-Long Red, stump-rooted Carrot, but having a larger shoulder and being much more productive. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Danvers (Half-Long).** Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 80c.

**Selected Danvers.** A handsome, cylindrical-shaped Carrot of good size and stump-rooted. It is of a rich, dark orange color, grows to large size, is a smooth, and has little core. It is a first-class Carrot for all soils, yields a greater weight per acre than any other variety, and is more easily harvested than the old long varieties. This selected stock we are now offering has been specially grown for market gardeners and is sure to give satisfaction. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Long Orange Improved.** One of the most desirable for either garden or field culture. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 80c.

**Selected Long Orange Improved.** One of the most desirable for either garden or field culture. It grows to a large size, fair specimens averaging twelve inches in length, and three inches diameter at the top. All who have cattle should raise a surplus of this Carrot for feeding milch cows during winter. It increases the flow of milk and imparts to the butter a delicious flavor, and a rich golden color. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.



*Oxheart, or Guerande.*

**Oxheart, or Guerande.** A French variety of recent introduction and a decided acquisition. It is intermediate between Half-Long and Horn varieties and perfectly distinct. The shape is nearly oval and the color and quality all that can be desired. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Early Scarlet Horn.** Favorite for early crop, but not large. Sold largely in New York markets, bunched. It matures eight to ten days earlier than the Long Orange, and is sometimes used for forcing. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. 90c.

**Early Half-Long Scarlet Nantes.** The skin is smooth, flesh red, and without any core or heart. It is excellent for forcing, and for fine quality and perfect shape can hardly be surpassed. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.



# CELERY

One ounce will produce about 5000 plants.

**CULTURE.**—Sow the seed (which is slow to germinate) in shallow boxes, or in a finely prepared seed bed out-of-doors, in straight rows, so that the small plants may be kept free from weeds.

See to it that the seed bed is kept moist, almost wet, until the seeds germinate, as plenty of moisture is essential to get a satisfactory growth. When about two inches high thin out and transplant so that they may stand two inches apart, and when the plants are four inches high cut off the tops, which will cause them to grow stocky.

The crop is usually made to succeed some earlier crop, and if good plants are used they may be set out as late as the middle of August; but the best results are usually obtained from setting about the middle of June or the first of July. In setting, prepare broad, shallow trenches about six inches deep and four feet apart, in which the plants should be set six inches apart, cutting off the outer leaves and *pressing the soil firmly about the roots*. When the plants are nearly full-grown they should be "handled," which is done by one man gathering the leaves together, while a second draws the earth about the plant to one-third its height, taking care that none of the earth falls between the leaves, as it would be likely to cause them to rust or rot. After a few days draw more earth about them, and repeat the process every few days until only the tops of the leaves are visible, or the leaves may be pressed together by two wide boards held firmly a few inches apart by cross-ties and stakes, when in a few days more they will be fit for use. Care should be taken that the plants are not disturbed while they or the ground are wet, as it would be sure to injure them. A part of the crop may be simply "handled," and then at the approach of severe freezing weather taken up and set out compactly in a dark cellar or an unused cold frame, which can be kept just above the freezing point, and it will then gradually blanch so that it may be used throughout the winter. Should the plants begin to wilt, water the roots without wetting the stocks or leaves, and they will revive again.



**Kalamazoo.** Large ribbed. A good, half-dwarf, white solid celery. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. \$1.50.

**Perfection Heartwell.** The finest and largest of the winter sorts, either for the family or market garden. The heart is golden yellow, and its crisp tenderness and delicious flavor are unequalled. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Golden Self-Blanching.** A self-blanching variety of the White Plume order, but much superior for either family or market gardeners' use; it is of a rich golden yellow color and is the earliest variety grown. Per pkt. 5c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.50.

**Improved White Plume.** An early and ornamental variety. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Giant Pascal.** This splendid variety possesses an exceptionally rich nutty flavor without being stringy. The stalks are thick, solid and crisp; golden yellow heart. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Boston Market.** Dwarf, branching habit; solid, crisp; a favorite variety. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Golden Heart.** A highly recommended variety. Full golden heart, and an excellent keeper. Per pkt. 5c., oz. 20c.

**Schumacher.** Immense size; solid and crisp, firm golden heart; a fine keeper. Per pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 85c.

**White Walnut.** A half-dwarf white variety, having uncommonly large and solid leaf stalks of fine walnut flavor. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Crawford Half-Dwarf.** Vigorous growth and excellent flavor. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Pink Plume.** The same as White Plume, except the stalks are tinged with pink. Per pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Claywood Park Prize.** The best red celery. Per pkt. 10c., oz. 25c.

## CELERIAC, or Turnip-Rooted Celery

**CULTURE.**—A variety of celery with turnip-shaped roots, which are white-fleshed, tender and possess the flavor of celery stalks. Sow the seed in the open ground in April, and treat the young plants the same way as celery.

**Large Smooth Prague.** Very large and fine; roots of superior quality. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Erfurt Giant.** Very large and smooth root. Per pkt. 5c., oz. 20c.



*Large Smooth Prague Celeriac.*



# SUGAR CORN

One quart will plant 200 hills.

**CULTURE.**—Plant for succession of crops every three weeks, from April to July, in hills three feet apart each way, and six seeds in a hill; cover about half an inch; thin out to three plants.

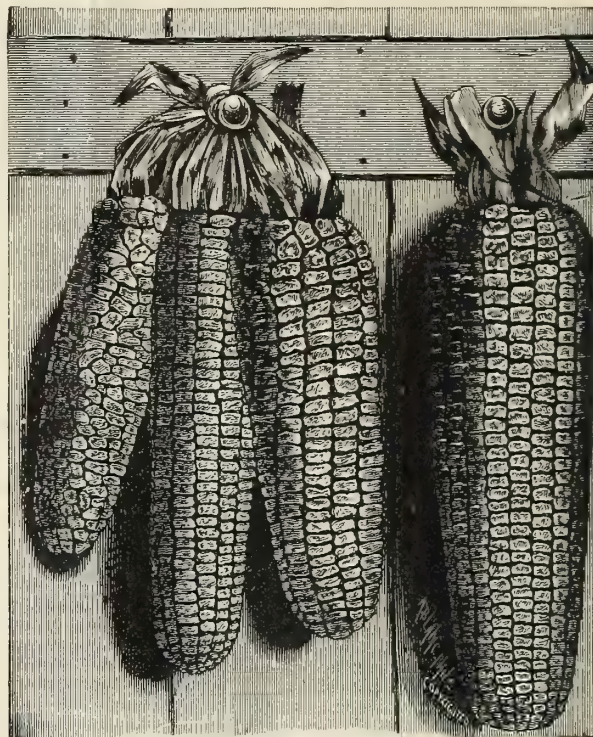
## EXTRA EARLY VARIETIES

**Metropolitan.** It is safe to say that there has never been on the market any one variety of Corn that combined the essential features of earliness and good flavor in a satisfactory degree. In these important characteristics, "**Metropolitan**" certainly outclasses any other variety. It is only two days later than Cory, which, until now, has been the earliest sort. The plant is distinct, being very strong in stalk, growing  $5\frac{1}{2}$  feet in height. The ears are all set low, not over  $1\frac{1}{2}$  feet from the ground, producing from two to three to the plant. They are uniformly 9 inches long, 10 to 12 rowed, well filled to the tip with large deep grains, which are very tender. It is not merely sweet, but possesses in a remarkable degree that exquisite richness so well known in the larger and later sorts. Per  $\frac{1}{2}$  pt. 10c., pt. 20c., qt. 40c., pk. \$1.50.

**Cory Early.** (Red Cob.) The Cory is undoubtedly the earliest of all, and the very best extra early Sweet Corn. Those desiring a first early variety can make no mistake in planting the Cory. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

**"White Cob" Cory.** An extremely early variety, usually fit to use in from fifty to sixty days from seed sowing. A sport or selection from the famous "Red Cob Cory," which for years held popular favor as the best first early. "White Cob" Cory retains all of the qualities of its parent, with the added merits of having a white cob and white kernels. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

**Minnesota.** One of the earliest; ears small, but of fine quality. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.



**Perry's Hybrid.** Very early; ears of large size; valuable for market purposes. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

**Extra Early Evergreen.** Ten days earlier than the standard variety. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

## MEDIUM EARLY VARIETIES

**Stowell's Evergreen.** Now recognized everywhere as a standard variety, both for home use and market, and is the general favorite. The ears are of a large size, grains deep, exceptionally tender and sugary, and has the advantage of remaining longer in the green state than any other. Our stock has been carefully grown and selected to avoid the tendency to a shorter grain and deterioration in the evergreen character of this best of all medium sorts. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

**Crosby's Early Sugar.** Standard early sort; ears good size; fine quality. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

**Early Mammoth.** Very large and tender; similar to the Standard Mammoth variety, but much earlier. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

## LATE VARIETIES

**Black Mexican.** Very sweet and of fine flavor; grains black. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

**Late Mammoth.** Immense ears and very sweet. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

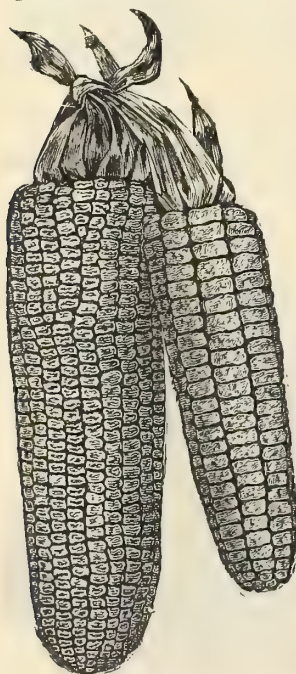
**Country Gentleman.** The Country Gentleman Corn retains its delicate tenderness and flavor even when a little old, as the ears are enclosed in a heavy husk, which tends to keep the ear "in the milk" for several days longer than other corns. The cob is unusually small and the pearly white kernels of great depth. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

## CORN SALAD

One ounce will sow 150 feet of drill.

**CULTURE**—Sow early in the spring, in drills, one inch deep and ten inches apart. For main crop sow in August and September.

**Large-Seeded.** Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.



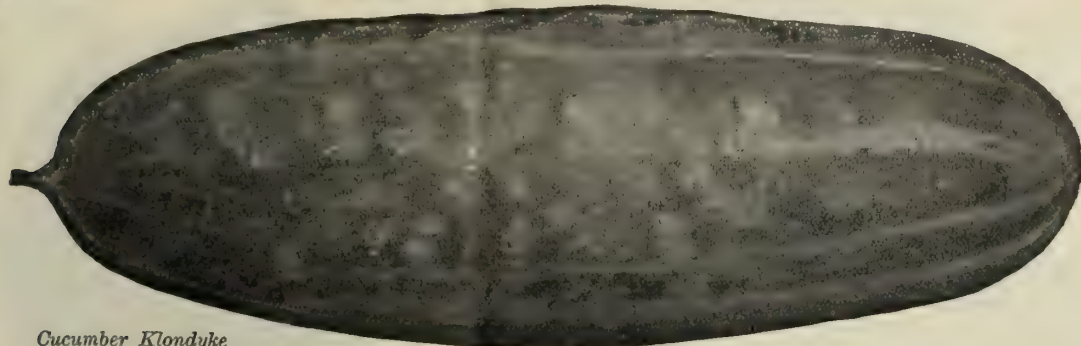
Corn,  
Mammoth and Marblehead



# CUCUMBER

or small paper pots can be used. Such plantings are usually ready for transplanting to the open ground in from three to four weeks, and are seldom troubled with the striped bug. Transplanting, when practical, should be done in the evening, into hills four feet apart each way. Thin out to about four plants to a hill when established. The seed may be planted in hills late in May, thus giving a succession. For pickles, plant during the last two weeks of June. Plaster dust, or an infusion of hellebore powder in water will destroy the striped bug. One ounce will plant about 50 hills.

**CULTURAL DIRECTIONS.**—The first planting should be made early in May on partly spent hot-beds; inverted sods form an excellent medium for both planting on and carrying the young plants to their permanent location,



*Cucumber Klondyke*

We call your attention to Klondyke Cucumber, of which the above is a photograph. This one had been picked three weeks when the photograph was taken, as you will note by the shriveled condition of the stem. It is the result of a number of years of careful selection and is about a week earlier than the Arlington White Spine and is less tapering at the ends than the Arlington. It continues long in yield after the other varieties have become exhausted. Price, per pkt. 10c., per  $\frac{1}{4}$  oz. 15c., per oz. 25c., per  $\frac{1}{4}$  lb. 75c., per lb. \$2.50.

**Emerald Cucumber.** The Emerald Cucumber is a remarkable new sort, possessing that rich, dark green color which has been so long desired. As a slicer the flesh is particularly crisp and tender and the flavor most pleasing. The young fruit being dark green, straight and tender, makes an excellent pickle. Per pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Fordhook Pickling.** This distinct Cucumber is wonderfully prolific, and might be termed a continuous bearer. Planted at the same time with the other Cucumbers, the Fordhook Pickling will continue to bear pickles plentifully after the other varieties have ripened their fruit and ceased to produce more. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Cool and Crisp.** An excellent pickling or slicing cucumber of good size and exceedingly tender and crisp. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**White Wonder.** The best white sort; it ripens early and is very productive. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Early Green Cluster.** Fruit small; very prolific. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

**Improved Early White Spine.** Standard market variety of medium size, deep green, flesh crisp and of good flavor. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Extra Long White Spine.** A beautiful, large and well-shaped Cucumber, slightly longer in maturing than the above. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

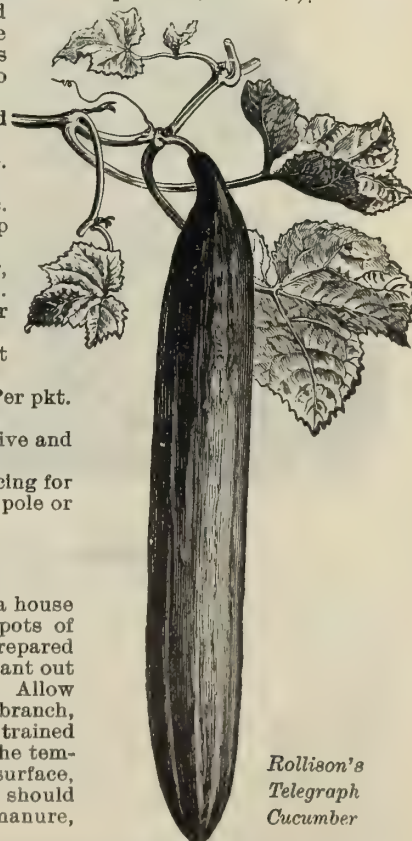
**Arlington.** A fine strain of the Improved White Spine. It is fine either for forcing or for outdoors. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Extra Long Green.** Very long, most excellent quality, and one of the best for family use. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**New Everbearing.** Small sized; very early and enormously productive. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Green Prolific.** The best variety for pickling; deep rich green, very productive and of uniform small size. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**Japanese Climbing Cucumber.** Well adapted for pickling as well as for slicing for salads. The great advantage lies in the fact that it can be trained on a pole or fence. Per pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.



*Rollison's  
Telegraph  
Cucumber*

## ENGLISH FRAME, OR FORCING VARIETIES

**CULTURE.**—This favorite fruit may be grown any season of the year in a house or frame where a temperature of 75 degrees can be obtained. Sow in pots of light soil, and pot off when the third leaf appears. The soil should be prepared and placed in the house or frame several days before it is required. Plant out when the third rough leaf is developed; keep a moist warm temperature. Allow them to make several joints, when they should be stopped to make them branch, then pinch out the shoot where the fruit appears; keep them thin and trained regularly; supply with plenty of water, which should not be colder than the temperature of the place; keep adding fresh soil as the roots appear above the surface, which they do freely when the plants are thriving and healthy. The soil should be light turf, well rotted, and leaf-mold without sand, enriched with manure, and should not be shifted.

**Lord Kenyon's Favorite.** Per pkt. 25c.

**Royal Osborne.** Per pkt. 25c.

**Carter's Model.** Per pkt. 25c.

**Rollison's Telegraph.** Free bearing; average length of 20 inches; for summer or winter use; one of the finest sorts. Per pkt. 25c.



**DANDELION**

One ounce will sow about 100 feet of drill.

**CULTURE.**—Sow in May, in drills 10 inches apart; thin out to three inches apart; cultivate during the season and in the following spring the plants will be fit for use.

**French Garden.** Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**EGG PLANT**

One ounce will produce about 1000 plants.

**CULTURE.**—Sow in a hot-bed in February and March; when the plants are one and two inches high, transplant or thin out to two or three inches apart. When the weather is warm and settled, they may be planted out in a warm situation two feet apart each way.

**New York Improved Spineless.** Extensively cultivated for both market and family use; it grows to a large size; very prolific and fine flavored. Per pkt. 5c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Black Pekin.** Produces very handsome jet black fruit of superior quality. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**ENDIVE**

One ounce will sow 200 feet of drill.

**CULTURE.**—One of the most attractive of all autumn and winter salads. It is commonly known in restaurants as Chicorée, and is especially refreshing when served with lettuce with plain French dressing. Sow seed from middle of June till last of August. When the plants are fully grown, tie all the outside leaves together over the heart to blanch the inner leaves, which will take about a week. Do not tie up when the leaves are wet, as they will then decay.

**Green Curled.** Very ornamental curled dark green leaves, which blanch white and crisp. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Broad-Leaved (Escarolle).** Produces heads of broad thick leaves; blanches easily. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**White Curled.** For early use. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.



*New York Improved Egg Plant.*

**HORSE-RADISH ROOTS**

Strong roots. Per dozen, 15c., 100, 75c.

**KALE**

One ounce will produce about 300 plants.

**CULTURE.**—Sow in May in shallow drills, 10 or 12 inches apart; when large enough transplant singly in rows 24 inches apart each way.

**Dwarf Green Curled Scotch.** Very dwarf and spreading, one of the best. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

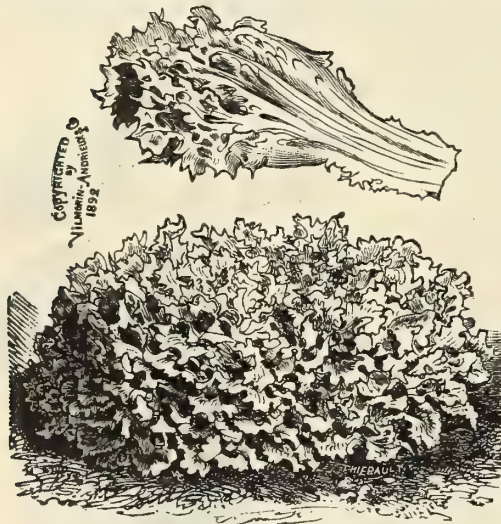
**Siberian Kale or Sprouts.** Should be sown in September and treated like spinach; it is fit to cut early in spring. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Dwarf Brown Kale.** A beautiful curled variety, with spreading foliage, very hardy and of fine flavor. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**GARLIC**

One pound will plant 200 feet of drill.

**CULTURE.**—Garlic is used for a variety of flavoring purposes. Plant the sets six inches apart in rows one foot apart. As soon as the leaves have turned, the crop is matured, and may be harvested like the onion. **GARLIC SETS**, per lb. 30c.



*Endive, Broad-Leaved.*

**KOHL-RABI**

One ounce will produce about 200 feet of drill.

**CULTURE.**—This is a very delicious vegetable, and is increasing in popularity rapidly; combines the good qualities of the turnip and cabbage, but excels both in nutritive and productive qualities. Cook the same as turnips; they will be found very tender and palatable. Sow in spring in rows of 18 inches apart, afterwards thin away the plants to eight inches.

**Early White Vienna.** The earliest and best for either market or family use. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Early Purple Vienna.** Similar to the preceding, except in color, which is of a bluish purple. Per pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. 85c., lb. \$3.00.

**Earliest Selected** (for frames). A variety with few and small leaves; can be planted very closely; very useful for general culture and indispensable for forcing. Per pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.25.



*Kale, Dwarf Green Curled Scotch.*



# LETTUCE

One ounce will sow 150 feet of drill.

**CULTURE.**—Sow early in spring in a hotbed; transplant in April for summer use. Again, sow from April at intervals in the open ground, and for winter and spring use, in August and September. Protect by means of a cold frame during winter. When sown for cutting, the seed may be put in rather thick, in rows or broadcast; but to have finer heads, it should be sown thinly in rows, and transplanted a foot apart into rich soil.



*Curled Simpson Lettuce.*

**Black-Seeded Simpson.** Nearly double the size of the ordinary Curled Simpson; stands the summer well. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Denver Market.** The heads are large, solid, light green, beautifully curled like a Savoy cabbage, very crisp and tender. The heads are a little after the style of the Hanson, but more oblong. Delicate, tender and very superior. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Salamander Perfected.** An excellent summer variety, forming large-sized heads that stand the heat without injury longer than any other sort. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Big Boston.** A most desirable variety for forcing in cold frames or open-ground planting. Per pkt. 5c., oz., 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Boston Market.** Solid, crisp and compact; one of the best for forcing. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Boston Curled.** Of great beauty and superior quality. The fine, elegant frilling of leaves renders it highly ornamental. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Tennisball, White-Seeded.** A well-known forcing variety. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c.

**Black-Seeded Butter.** A very tender and crisp variety of delicate flavor. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Mammoth Black-Seeded Butter Lettuce.** A large head lettuce of splendid quality; much lighter in color than the Big Boston. For early or late crop it has no equal; splendid market sort. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Golden Stone Head.** Produces heads of medium size, of the best quality; as a forcing variety it is unequalled. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.



*White Paris Cos Lettuce.*

**Mignonette.** A small, sturdy, russet-colored lettuce, distinct and unique. The entire plant measures only seven inches in diameter, and is *more solid and compact* than any existing variety. It is wonderfully hardy, and resists drought and excessive moisture. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Buttercup.** Yellow, solid, small heads; for forcing or outdoors. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c.

**Grand Rapids Forcing.** Large, tender; one of the best for early forcing. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Silver Ball (Seed White).** A remarkable variety in that it is an excellent sort both for forcing and outdoor culture. The thick, light green leaves have so much sheen that they actually look silvery white in some lights, and the good-sized head is of excellent quality. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Golden Nugget.** Produces heads of medium size, of the best quality. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Romaine White Cos.** It is of upright growth, and possesses a distinct, crisp and very refreshing taste. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Trion Self-Closing Cos.** The finest of all the Cos sorts. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Emperor William.** New, firm, light yellow heads, with brownish spots; remarkably tender. Per pkt. 10c., oz. 30c.

(For cut and description see Novelties, page 2.)

**New York.** This variety blanches itself naturally, is crisp, tender, and of excellent flavor, and always free from bitterness. The outside color is distinct, being a clear, deep apple green, while on the inside the color is yellowish white. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Blonde Blockhead, or Sunset.** This is a large-growing head lettuce, resisting the heat for a long time before running to seed. The heads are large, solid and crisp, of a golden yellow color. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Hubbard Market.** A large white cabbage variety, valuable for forcing or the open ground. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Curled Simpson.** An old standard variety, very early and tender. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.



*Big Boston Lettuce.*



## LEEK

One ounce will sow about 100 feet of drill.

**CULTURE**—Sow the seed very early, in a seed bed in a sheltered place, if possible. When plants are about six inches long, transplant them to trenches six inches deep, with very rich soil at the bottom. Fill up the trenches as the plants grow, and later draw soil up to them. As a result you will have fine, large leeks, blanched, half a foot long, which may be kept all winter if dug up with the roots on and stored in moist sand in the cellar.

**Large American Flag.** The largest and most desirable, either for market or family use. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Large Carentan (Winter).** A very hardy variety of extra large size; the leaves are fan-shaped, of a dark green color; the edible stem is six to eight inches long and three inches in diameter. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Large Rouen.** Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.



*Leek, Large American Flag.*

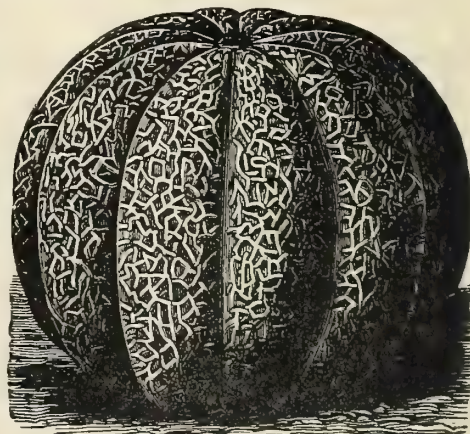
**Tip-Top Melon.** The most productive melon known; good for early or late, having a sweet, juicy, fine flavor; solid flesh (but not hard) and eatable to the outside coating. The fruit is of large size, nearly round, evenly ribbed and moderately netted. Per pkt. 10c., oz. 15c.

**Rocky Ford.** An improved strain of the Netted Gem type, which has been grown on a very large scale and to a wonderful degree of perfection in Rocky Ford, Colorado. It is by far the most popular sort on the market, and commands higher prices than any other variety. It is very sweet and most delicately flavored, with exceedingly fine and smooth-grained flesh of a light green color. Per pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c.

**Long Island Beauty.** On style of Hackensack, but earlier and finer in quality, and the most beautiful Muskmelon. Per pkt. 5c., oz. 15c.

**Delmonico.** Oval, deeply netted, large size, orange flesh. Per pkt. 5c., oz. 10c.

**Extra Early Hackensack.** Large, round and of fine quality; a standard variety. Per pkt. 5c., oz. 10c.



*Muskmelon, Early Hackensack.*

## ENGLISH FRAME VARIETIES

(IMPORTED SEED)

	Per Pkt.
Sutton's Invincible Scarlet	
Flesh .....	25 cts.
Blenheim Orange.....	25 cts.
Eastnor Castle Green Flesh	25 cts.
Sutton's Perfection Pale	
Green Flesh.....	25 cts.
British Queen.....	25 cts.

**Emerald Gem.** Small, extra early, smooth ribbed, dark green skin and orange flesh. Per pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Jenny Lind.** Small, but very early; green flesh. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c.

**Nutmeg.** Named from its shape; green flesh, fine flavor. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c.

**Long Yellow Cantaloupe.** Standard sort; yellow flesh. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c.

**Paul Rose.** This new red-fleshed melon is exceedingly sweet and highly flavored, and in it are combined all the good qualities of the Netted Gem and Osage, the varieties from which it originated. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

## MARTYNIA

One ounce will plant about 200 hills.

**Proboscidea.** Per pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.



# WATERMELON

One ounce will plant about 50 hills.

**CULTURE**—Treat the same as muskmelon, except that they should be planted eight or ten feet apart, according to variety.

**Cole's Early.** A most delicious and productive variety for the family garden, succeeding in Northern States, where melons were never matured before. The flesh is of a beautiful bright red color, crisp and extremely delicate in texture—that granulated, cool, sparkling appearance that is so captivating to the eye; in flavor it is lusciously sweet and refreshing, no pithiness or stringiness. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Pride of Georgia.** Round, large, crisp; bright red flesh; intermediate. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Hungarian Honey.** Fresh, brilliant red, very small seeds; well adapted for Northern localities. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Mammoth Ironclad.** A large size; flesh deep red and of rich flavor, holding its fine quality very close to the skin. For shipping and keeping it is unsurpassed. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Sweetheart.** A perfected form of the old Ice Cream, possessing all of its good qualities and producing fruit much larger and handsomer in appearance and of most delicious flavor. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb., 20c., lb. 60c.

**Kolb's Gem.** Largely grown in the South for shipment to northern markets; it has no equal as a shipping melon; the fruit is nearly round; rind, dark green, somewhat marbled with lighter shades. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**The Boss.** Oblong in shape; dark green skin; flesh deep scarlet; early, heavy, productive and good shipper. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Black Spanish.** A sweet and delicious variety; fruit round, of large size; skin, blackish green; scarlet flesh. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.



*Kolb's Gem Watermelon.*

**Citron.** Round and handsome; used for preserves. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Mountain Sweet.** An old and reliable sort; red flesh; late. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Florida Favorite.** A superb strain; improvement on Rattlesnake; intermediate. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**White-seeded Ice Cream.** Very early; red flesh. Per oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

## MUSHROOM SPAWN

Ten lbs. will spawn 10 feet square.



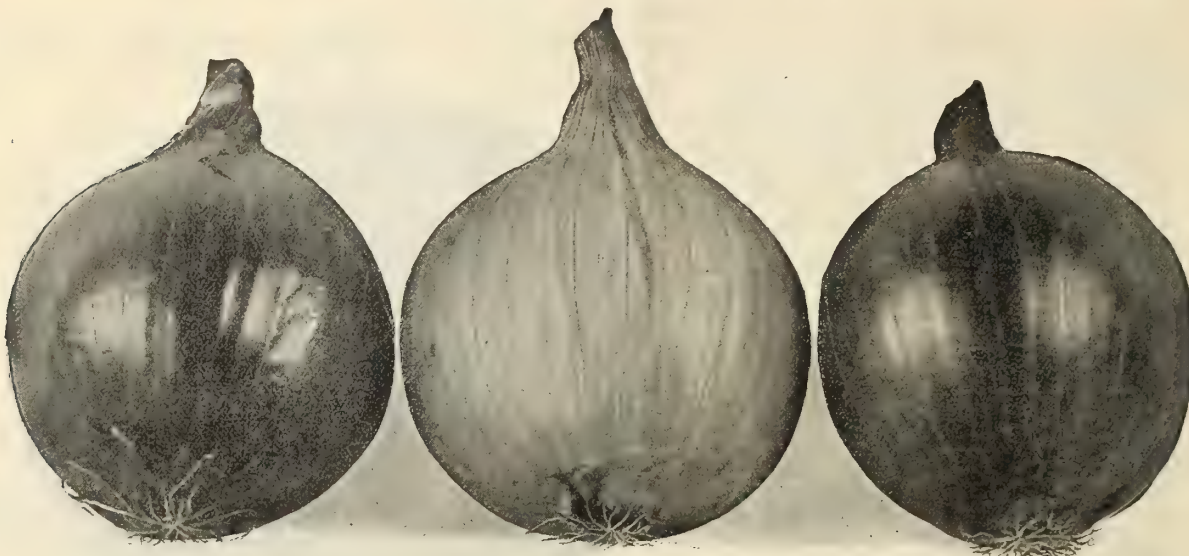
*Mushroom Spawn.*

**CULTURE.**—Mushrooms are easily grown, with a little care and attention under a square shed, portion of a cellar, or any dark, dry place. Collect a quantity of fresh horse droppings, throw them into a heap, leaving it until it commences to ferment, then turn it over and mix it up well, and place it where you intend to make the bed; spread it regularly about 18 inches thick, tread firmly and level the surface, then apply the soil about three inches in thickness all over the bed. Leave this to heat for a few days, and as soon as the heat drops to 90 degrees, make holes in the bed, about a foot apart each way, into which put pieces of the spawn about the size of an egg; fill up the holes with the compost. Beat the surface level, afterward keep it dry, and the mushrooms will make their appearance in about five or six weeks. When the first crop has been taken, give the bed a good watering, leaving it as before, when they will again make their appearance. Beds can be made at any time of the year, and as one declines another should be made, to keep a constant supply. The spawn should be kept in a cool, dry place. When gathering, remove the stalks; do not cut them or they will rot and breed maggots.

**English Spawn** . . . . . per lb. 12c., 10 lbs. \$1.00, 100 lbs. \$9.00  
**French Spawn** . . . . . per 2-lb. box, 75c.



# Stumpp & Walter Co.'s Perfect Globe-Shaped Onions



White Globe.

Yellow Globe.

Red Globe.

**S. & W. Co.'s Southport White Globe.** Yields abundantly, producing handsome and uniformly globe shaped bulbs. The flesh is firm, fine-grained and of mild flavor. To produce the beautifully white onions so much sought in every market, one must first of all have good seed. Second, grow them well on *rich* lands. Third, exercise great care in harvesting and curing the crop. In Southport they "cord" up the onions in long rows, the bulbs on the inside, and cover with boards so that the bulbs in the open air are well protected from rain or dew, which would be sure to discolor them. We have by years of careful selection and breeding developed a strain which has no equal in uniformity and beauty of shape and color. Per pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**S. & W. Co.'s Southport Yellow Globe.** This is probably the finest all-round sort grown. The enormous quantities annually shipped to market prove its popularity, and it is more largely grown than any other variety.

We take unusual precautions to maintain the highest degree of perfection in our stock, and can confidently claim superiority for it. The bulbs are large and uniformly spherical, with very small necks; the largest diameter is below the center of the bulb. The color is a rich orange-yellow; enormous yielders and splendid keepers. No onion grower can afford to plant inferior seed when such as this can be procured. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**S. & W. Co.'s Southport Red Globe.** Very similar to Wethersfield in color, having a deep-red skin, but differing in shape, being almost a perfect globe. It matures with or a little later than Wethersfield, and is one of the best keepers of the red varieties. Size large. Flesh fine-grained, mild and tender. Per pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**COLLECTION, 1 Packet each, 3 Varieties Globe Onion, Red, White and Yellow, for 25c.; 1 oz. each, 3 Varieties, 50c.**

## ONIONS

One ounce will sow about  
100 feet of drill.

**CULTURE.**—Sow as soon as the frost is out of the ground in spring, in drills one inch deep and 12 inches apart; thin out to two or three inches. For onions the ground requires to be well manured.

**Yellow Globe Danvers.** Of more globular shape than the preceding; splendid keeper. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

**White Pickling.** When matured, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling and table use, and makes a pretty bunch onion, especially if grown by the transplanting method. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.50.

**White Portugal, or Silver Skin.** A mild-flavored variety, used extensively for pickles. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Yellow Danvers.** A standard sort; early and a good keeper. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

**Yellow Globe Spanish, or Prize Taker.** Grows uniform in shape; is of immense size, measuring from 12 to 16 inches in circumference, while under special cultivation specimen bulbs have been raised to weigh from 4 to 6 pounds each; its pure white flesh is fine-grained, mild and delicate in flavor. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**The Australian Brown Onion** is of medium size, wonderfully hard and solid, **extremely early** in ripening, and **never makes any stiff-necks or scallions**. Planted with the *Red Wethersfield*, it proved to be **nearly four weeks earlier** and ripened off more uniformly. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.



White Pickling Onion.



# ONION

## LARGE RED WETHERSFIELD



*Large Red Wethersfield Onions*

Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb. 50 cts., 1 lb. \$1.50.

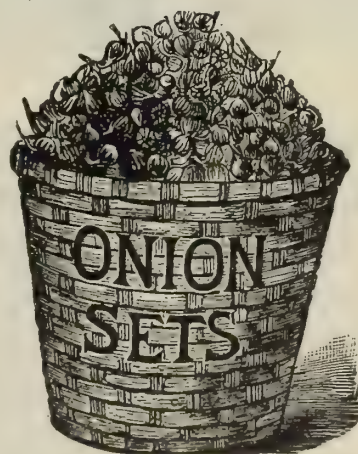
This is the standard red variety, and a favorite onion in the East, where immense crops are grown for shipment. Bulb large, somewhat flattened, oval shape; skin deep purple-red; flesh purplish white, moderately fine grained and stronger flavored than any of the other kinds.

Very productive, the best keeper, and one of the most popular for general cultivation. It is more inclined to form large necks if planted on unsuitable soil than the Danvers, but is the best variety on poor or dry soil.

## ONION SETS

Plant onion sets and tops near the surface in drills 12 inches apart and 4 inches in the rows. They require the highest culture to obtain the best results.

	Per qt.	Per peck 8 qts.
White Globe Sets	\$0 30	\$2 00
Red " "	30	2 00
Yellow " "	30	2 00
White Sets	20	1 50
Red " "	20	1 50
Yellow " "	20	1 50
Red Top Sets	20	1 50
White Potato Onions	20	1 50
Yellow Potato " "	20	1 50
White Multiplier Onions	30	1 75
Shallots	30	1 75



## MUSTARD

One ounce will sow 75 feet of drill.

As an ingredient the green mustard imparts a delightfully pungent flavor to the various forms of prepared salads. For early crops the seed may be sown in a hot-bed in March, and for general crop at frequent intervals through the spring, in drills from 8 to 12 inches apart.

**Black or Brown.** An esteemed sort for culinary use. Per oz. 5c.,  $\frac{1}{4}$  lb. 10c., lb. 25c.

**Giant Southern Curled.** Very large leaves. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**White London.** The best variety for salads; the seed is also used medicinally and as a seasoning for pickles. Per oz. 5c.,  $\frac{1}{4}$  lb. 10c., lb. 25c.

**NEW CHINESE.** Leaves twice the size of the ordinary white mustard; stems more succulent, of deeper green; flavor pleasantly sweet and pungent. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.



## PARSLEY

One ounce will sow about 150 feet of drill.

**CULTURE.**—Parsley requires a rich, mellow and deep soil. Soak the seed for a few hours in tepid water, and sow early in the spring in drills one foot apart and half an inch deep. Thin out the young plants to four inches. Hamburg parsley should be treated the same as carrots.

**Extra Double Curled.** Standard market sort. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Champion Moss Curled.** Very beautiful. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Fern-Leaved.** Finest garnishing variety. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Plain.** The ordinary form. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 40c.

**Curled Beauty.** Pkt. 10c.

**Hamburg, or Rooted.** Edible roots. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.



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*Cayenne Pepper.*

**Selected Ruby King.** Fruit bright ruby-red. The flavor is so mild and pleasant that it can be sliced and eaten like cucumbers or tomatoes. Per pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$4.00.

**Golden Dawn.** Bright golden yellow; very productive. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Sweet Spanish.** One of the largest and earliest. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Sweet Mountain.** Similar to the Bull Nose, but larger, sweeter and of milder flavor. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Bird's Eye or Creole.** Very small red fruit, used in the manufacture of Tabasco sauce. Per pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**Red Cluster.** Bears a profusion of red clusters of very thin, pungent peppers in an upright position. It forms a small, compact plant about a foot high. A single plant has been known to produce a thousand peppers. Per pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 85c.

## OKRA, or GOMBO

One ounce will sow about 100 feet of drill.

**CULTURE.**—Sow in the second or third week in May, if the weather is settled and warm, in drills one inch deep and four feet apart; thin out to 12 inches.

**Long Green.** Long ribbed pods, very productive. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Dwarf Green.** Very dwarf habit; exceedingly productive. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**White Velvet.** Very distinct in appearance; pods are perfectly round, smooth and of a white velvety appearance and of superior flavor. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Dwarf White.** Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.



*Champion Moss Curled Parsley.*

## PARSNIP

One ounce will sow about 200 feet of drill.

**CULTURE.**—Sow as early in the spring as the ground can be worked, in drills, 18 inches apart, covering with fine soil to the depth of half an inch. The soil should be rich and deeply dug. The quality of the roots is much improved after a severe frost; in fact, they may be allowed to remain in the ground throughout the winter, as they are perfectly hardy.

**Hollow Crown.** The finest variety grown; long, smooth and milky white. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

## PEPPER

One ounce will produce about 200 plants.

**CULTURE.**—Sow in hotbed in March or in the open ground in April; transplant in rows 20 inches apart each way. The seed may be sown in the open ground after all danger of frost is passed.

**Long Red Cayenne.** Fruit about four inches long, bright red color; very productive. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Cherry Red.** Small round fruit, rich scarlet color, and extremely piquant. Per pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. 85c., lb. \$3.00.

**Chili.** Very piquant and prolific, small, slim fruit. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Large Bell, or Bull Nose.** A large early variety of pleasant flavor. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 65c., lb. \$2.25.



*Pepper, Sweet Mountain.*



# PEAS

One quart will plant 100 feet of drill.

**CULTURE.**—For early crops sow as early in spring as practicable, and again every two or three weeks for a succession throughout the season up to the 1st of August. Plant in single or double rows, four feet apart and two inches deep. In dry weather soak the peas over night before planting. In the vicinity of New York the Extra Early Peas, if planted from the 15th to the last of August, will produce a medium crop for late picking, when they will be found most acceptable.

Varieties marked\* are wrinkled marrows, and should be sown thicker than the round peas, and not until the ground has become warm, as they are more liable to rot. All wrinkled sorts are much superior in flavor to the round peas.

## EXTRA EARLY PEAS.

**First of All.** This variety is unequalled for excellence, yield, size of pod and regularity of ripening. Height, 2½ feet, or fully six inches dwarfer than the Philadelphia Extra Early, and produces pods of good size, which are well filled with round, smooth peas of splendid flavor. It is a prodigious bearer, and in this last feature and in its extreme earliness consists its great value to market gardeners and truckers. At the same time, we know of no other variety that is more popular than "First of All" in private gardens. Per ¼ pt. 10c., pt. 20c., qt. 30c., peck \$1.50, bushel \$5.00.

\***Gradus.** The pods of this new and most valuable sort are as large as those of Telephone, and fit for use as soon as First of All. The peas are large, handsome and of fine quality. (See page 3 for description.) Per ¼ pt. 15c., pt. 30c., qt. 50c., peck \$3.25.

\***Alpha.** A good early wrinkled pea. Height 3 feet. Per ¼ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

\***Exonian.** An extra early new wrinkled marrow pea. Per ¼ pt. 10c., pt. 20c., qt. 30c., peck \$1.50.

\***Nott's Excelsior.** A splendid extra early wrinkled new sort; very prolific. Per ½ pt. 10c., pt. 15c., qt. 35c., peck \$2.00.

**Alaska.** The finest blue seeded extra early pea known to the trade. The dark green color of the pods renders it very desirable for transporting long distances, therefore proving a popular sort with canners and gardeners sending pods to distant markets. Very early, uniform in growth, almost entirely free from sports or runners. First-class in every respect. Seed round, blue, slightly pitted, height 2½ feet. Per ½ pt. 10c., pt. 20c., qt. 30c., 4 qts. \$1.00, peck \$1.75.

\***American Wonder.** Extra early, fine flavor and productive. Height 1 foot. Per ¼ pt. 10c., pt. 15c., qt. 35c., peck \$2.00.

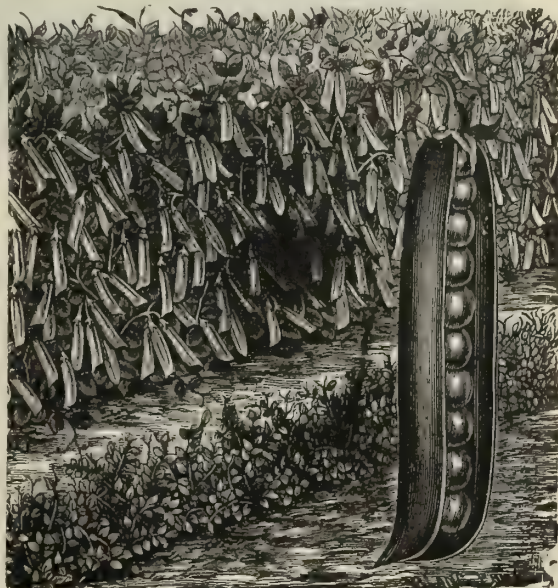
\***McLean's Little Gem.** Extra early, straight pods, very prolific, and of excellent flavor. Height 1½ ft. Per ¼ pt. 10c., pt. 15c., qt. 30c., peck \$1.75.

## MEDIUM EARLY PEAS

**Blue Beauty.** Of a uniform height of 1½ feet, so smooth and level in its growth that a row of it resembles a well kept hedge. It is a blue, round pea, and is nearly as early as the American Wonder. In quality and flavor Blue Beauty cannot be surpassed. Per ½ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

\***Abundance.** This variety is remarkable for branching directly from the roots. Excellent quality. Height 3 feet. Per ¼ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

\***McLean's Advancer.** A standard market sort, long pods, well filled, excellent quality. Height 2½ feet. Per ½ pt. 10c., pt. 15c., qt. 30c., peck \$1.50.



*First of All Pea.*

\***Horsford's Market Garden.** A wrinkled variety coming in between Little Gem and Advancer. It is very prolific, yielding more per acre than any other American Pea. Excellent quality. Height 2 feet. Per ¼ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

\***Everbearing.** Produces very long pods and large peas. Sow thin. Height, 3¼ feet. Per ¼ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

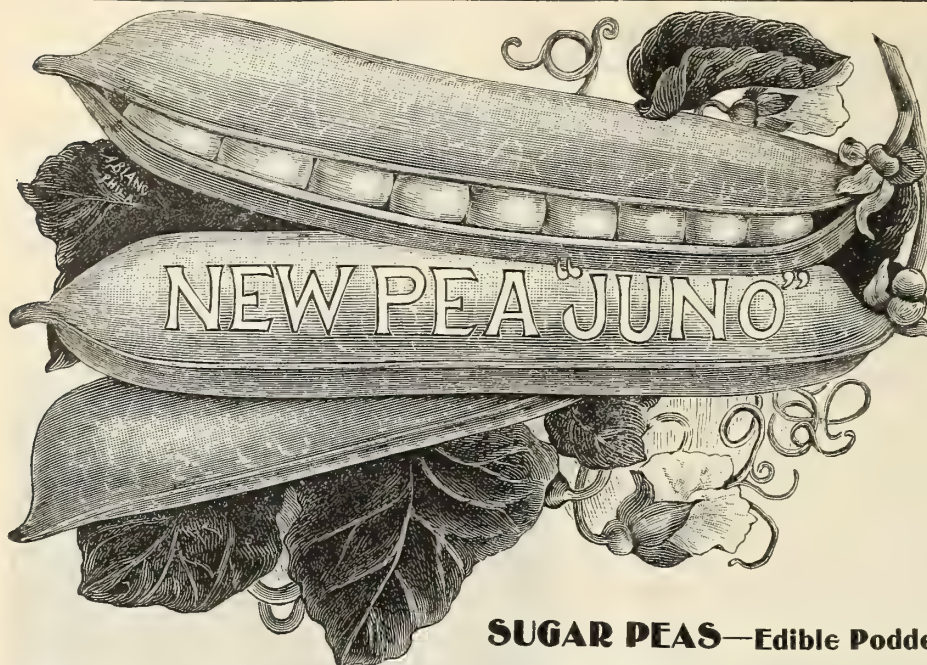
\***Heroine.** Enormously productive; pods large, long, slightly curled, pointed pods, containing from nine to ten large peas of the finest quality. Height 2½ feet. Per ½ pt. 10c., pt. 15c., qt. 30c., peck \$1.50.

\***Champion of England.** Acknowledged to be the best of the tall-growing late varieties; the pods and peas are of the largest size and excellent quality. Height 5 feet. Per ½ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

## LATE or MAIN CROP PEAS

\***Telephone.** A tall, wrinkled, marrow variety, enormously productive and of fine quality. The pods are of the largest size and contain from six to seven large peas. Height 4½ feet. Per ½ pt. 10c., pt. 15c., qt. 30c., peck \$1.50.



**PEAS—Continued**

**Juno.** One of the best peas in cultivation. It has a robust vine and stout, straight pods, usually borne in pairs. The pods are very thick, broad-backed all the way up, and filled from the stem to the lips with seven to nine sweet, delicious dark green peas of immense size. Height, 2 ft. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 30c., peck \$1.60.

**Black-Eyed Marrowfat.** Hardy and prolific. Height, 3 ft. Per  $\frac{1}{2}$  pt. 10c., pt. 15c., qt. 25c., peck \$1.25.

**SUGAR PEAS—Edible Podded**

**Melting Sugar.** Grows to the height of 5 ft., bears a profusion of large, broad pods, which are so brittle that they snap without any string. It should be used in much the same way as a Wax Bean. The pods when cooked are very sweet and tender. Per  $\frac{1}{2}$  pt. 15c., pt. 25c., qt. 40c., peck \$2.50.

**Very Dwarf Sugar.** Unusually dwarf, very similar in habit to the American Wonder. The pods are beautifully crimped, are of unusual size for such a small-growing sort, and are of exquisite, melting quality. Per  $\frac{1}{2}$  pt. 15c., pt. 25c., qt. 40c., peck \$2.50.

**S. & W. Co.'s Selection of 3 best Dwarf Growing Peas for successive planting:**

**First of All.** Extra Early.  
**Shropshire Hero.** Medium Early.  
**Stratagem.** Late or Main Crop.  
 Per  $\frac{1}{2}$  pt. each of 3 varieties 25c.  
 Per 1 pt. each of 3 varieties 45c.  
 Per 1 qt. each of 3 varieties 75c.

**S. & W. Co.'s Selection of 3 best Tall Growing Peas for successive planting:**

**Extra Early Gradus.**  
**Medium Early.** Champion of England.  
**Late or Main Crop.** Telegraph.  
 Per  $\frac{1}{2}$  pt. each of 3 varieties 30c.  
 Per 1 pt. each of 3 varieties 50c.  
 Per 1 qt. each of 3 varieties \$1.00.

**PUMPKIN**

*Pumpkin. Large Tours, or Mammoth.*

One ounce will plant 50 hills.

**CULTURE.**—Plant in April or May, among corn or in the garden, in hills 8 or 10 ft. apart, and otherwise treat in same manner as melons.

**Large Tours, or Mammoth.** Grows to an immense size, often weighing over 100 lbs. Per pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 50c.

**Connecticut Field.** Grown for stock purposes. Per oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. 60c.

**Winter Luxury.** This we recommend as one of the best pie pumpkins; an excellent keeper and enormously productive. It is very finely netted and in color it is a golden russet. Per pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 60c.

**Large Cheese.** A most popular variety in the south. Fruit flattened, the diameter being two or three times more than the length; skin mottled light green and yellow, changing to rich cream color as it matures; flesh tender and of excellent quality. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. \$1.00.

**Jumbo.** This is the variety to be grown where "the biggest pumpkin" is wanted. We have seen specimens weighing 250 pounds. The color of skin is a deep yellow, the flesh being of a lighter shade. Notwithstanding its enormous size it is delicious in quality and generally desirable. Per pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 60c.





*Potato Bovee.*

In comparing our prices on potatoes, remember we make no charge for barrels or cartage, and deliver F.O.B., New York, at prices quoted.

### EARLY VARIETIES

**Extra Early Potato, The Bovee.** The earliest of all and a great cropper. The Bovee in all competitive trials has outyielded all the early potatoes, and in many of the tests conducted by experiment stations and private growers it has outyielded even the late varieties, including such heavy cropping kinds as Carman No. 1, Empire State, Rural New Yorker No. 2, and others. The vine is dwarf and stocky, and the tubers grow remarkably close, all bunched together in the hill close up to the vine. Per peck 85c., bush. \$2.50, bbl. \$5.00.

**Early Norther.** Several days earlier than the Early Rose, and equally prolific; a most desirable sort. It is a strong, vigorous grower, and the potatoes are bunched well together in the hills. Per peck 85c., bush. \$2.50, bbl. \$4.50.

**Early Puritan.** Entirely distinct from all other early sorts, the skin being nearly pure white. It cooks dry and floury, and is unequalled in quality. Per peck 85c., bush. \$2.50, bbl. \$4.50.

**Selected Early Rose.** A standard variety, early, productive and of excellent quality. Per  $\frac{1}{2}$  peck 40c., peck 70c., bush. \$2.00, bbl. \$4.50.

**Clarke's No. 1.** Earlier than the Early Rose and very productive. Cooks mealy. Per peck 70c., bush. \$2.00, bbl. \$4.50.

**Rural New Yorker.** Large, smooth variety, of excellent quality; white skin and flesh, with few and shallow eyes. Per peck 70c., bush. \$2.25, bbl. \$4.00.

**Rochester Rose.** The Rochester Rose, which we now offer, is a seedling of the Early Rose, and is an improvement in every respect. It will average larger in size, is not quite so early, and is a much heavier yielder. Per peck 70c., bush. \$2.00, bbl. \$4.00.

## POTATOES

### FOR SEED

**CULTURAL DIRECTIONS.**—Grown exclusively from tubers; 10 to 12 bushels to the acre. Plant in early spring, in rows 3 feet apart and plants 15 to 18 inches apart in row. Cultivate constantly and thoroughly, finally ridging the loose soil against the rows. A second or late spring planting is often made. Store in frost-proof cellar in winter.

Our potatoes are all specially raised for seed purposes, are "Northern Grown" and are exceptionally fine in quality.

**Beauty of Hebron.** Slightly flesh-colored skin, with pure white flesh; one of the most popular earlier varieties. Per  $\frac{1}{8}$  peck 40c., peck 70c., bush. \$2.25, bbl. \$4.00.

**New Queen.** In shape and color resembling White Elephant; fine quality. Per  $\frac{1}{2}$  peck 40c., peck 70c., bush. \$2.00, bbl. \$4.00.

### LATE OR MAIN CROP VARIETIES

**Carman No. 1.** Largest size, handsome form, greatest yielder, finest table quality. Per  $\frac{1}{2}$  peck 50c., peck 75c., bush. \$2.25, bbl. \$4.25.

**Late Puritan.** In the late Puritan we have a potato which is identical with the Early Puritan in appearance, color and quality, but *far more productive*. Per peck 70c., bush. \$2.00, bbl. \$4.00.

**New Ideal.** Is a handsome potato, having a pink russet skin. Per peck 70c., bush. \$2.00, bbl. \$4.00.

**Carman No. 3.** A new seedling raised by Mr. Carman. It is of perfect form, even in dry seasons, almost every potato being of uniform size and shape, averaging nearly a pound each in weight. It has but few eyes, and they are very shallow. The skin and flesh are extremely white, no hollow or dark parts, and its cooking qualities are extremely fine. A remarkably handsome potato, and enormously prolific. Per peck 60c., bush. \$2.00, bbl. \$4.00.

### SPECIAL POTATO MANURE

To obtain the highest possible results without the use of other manures, on ordinary soils, use from 1,200 to 1,500 pounds to the acre, well worked in the soil. If stable manure is used, apply from 400 to 600 pounds to the acre. This will ensure a large and early crop of smooth, clean-skinned potatoes, and a profitable investment for the money spent. Per 10 lbs. 50c., 25 lbs. \$1.00, 100 lbs. \$3.00, 1 ton (2,000 lbs.) \$45.00.



# RADISH

One ounce will sow about 100 feet of drill.

**CULTURE.**—Sow for early crops in March, in hotbed, and in April and May in a warm border, and continue throughout the season in fortnightly sowings, in drills an inch deep and a foot apart.

## EARLY TURNIP VARIETIES

**Scarlet.** Very early. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

**Scarlet White-Tipped.** Fine for early forcing in frames or outdoors. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Early White Turnip.** A small, round sort, inclined to flat. Its beautiful pure white color makes it very useful for mixing with other sorts. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 70c.

**Yellow Summer.** Splendid variety; stands heat and drought well. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c.

**Early Scarlet Globe.** Of distinct shape, brilliant color, short-leaved; crisp and white; an excellent variety for forcing. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c.

**Large White Summer.** Large size and fine form; excellent for summer use. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c.

**Large Gray Summer.** Large size, round. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c.

**Triumph Scarlet Striped, Forcing.** A very desirable addition to our forcing sorts. The roots are about the size and shape of Scarlet Turnip White Tipped, but are creamy-white, beautifully marked with spots and dashes of carmine. Per pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

## OLIVE-SHAPED VARIETIES

**Olive-Shaped Scarlet.** Flesh bright and crisp. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**French Breakfast.** A favorite sort, mild and crisp. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Olive-Shaped White.** Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Red Rocket.** Shape is long-oval, color bright red, good flavor. Per pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

**White Rocket.** Similar to Red Rocket, but is pure waxy white throughout. Per pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

**White Tip Rocket.** Brilliant scarlet with white tip; flavor delicious. Per pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

## LONG VARIETIES

**Scarlet Short Top.** Very long and crisp. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Scarlet Chantier White Tipped.** The color at the top is crimson, running into pink about the middle, and from thence downward is a pure white. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 65c.

**White Strasburg.** Shape tapering; skin and flesh both white; excellent summer variety. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 65c.

**Giant White Stuttgart.** Medium early, large and heavy; pure white throughout; very tender and delicious flavor. A very popular sort. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Long White Vienna, or Lady Finger.** Pure white in color, of long tapering shape; very attractive in appearance. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c.

## WINTER RADISHES

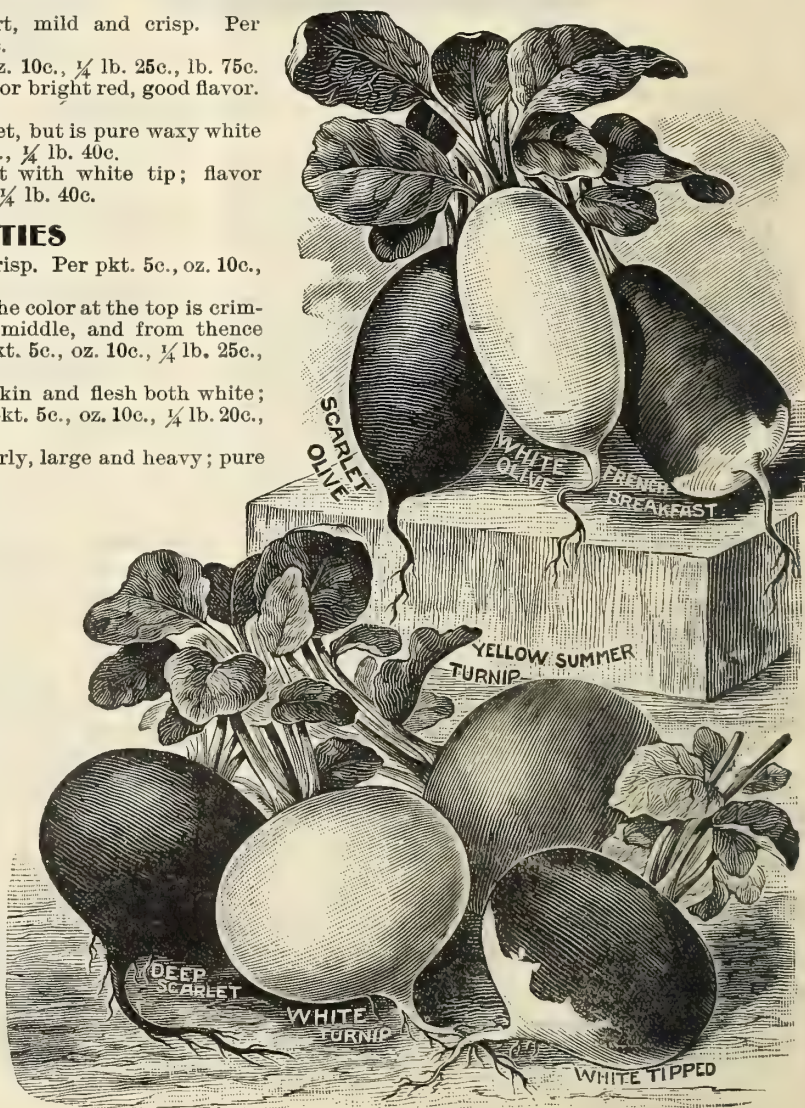
**Rose China.** Bright rose color; flesh firm and piquant; fine for winter use. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Long Black Spanish.** The popular winter sort. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Round Black Spanish.** Fine for winter use. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Half-Long Black Spanish.** A fine market gardeners' strain. Flesh white and crisp; fit to use early in the fall. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**California Mammoth White Winter.** A white fleshed Radish of excellent quality. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.





**SALSIFY, or VEGETABLE OYSTER**

One ounce will sow about 50 feet of drill.

**CULTURE.**—Sow the seed early in spring, in drills twelve inches apart and one inch deep, thinning out the young plants to six inches. The roots will be ready in October, when a supply should be taken up and stored like carrots. Those remaining will suffer no injury by being left in the ground until spring.

**Mammoth Sandwich Island.** Tender and delicious. Superior to all other sorts. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.



*Salsify, Sandwich Island.*

**SCORZONERA**

One ounce will sow about 50 feet of drill.

**CULTURE.**—Cultivate the same as Salsify. The roots should not be scraped, but simply washed, boiled tender, then peeled and served like asparagus. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**SWISS CHARD**

One ounce will sow about 100 feet of drill.

**CULTURE.**—This is a beet producing only leaves, and is excellent used as greens. Considered by many much superior to either spinach or beet-tops as greens. Sow the seed as early as the ground can be worked, in drills, about a foot apart. As it grows, thin out for use.

**Swiss Chard.** Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.



*Swiss Chard.*

**SORREL**

One ounce will sow about 100 feet of drill.

**CULTURE.**—Sow early in the spring in drills six to eight inches apart.

**Garden.** Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**SPROUTS**

One ounce will plant about 150 feet of drill.

**CULTURE.**—Sow in drills one inch deep and treat the same as kale.

**Spring Sprouts, or English Rape.** Pkt. 5c., oz. 10c.

**Winter, or Siberian Kale.** Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**SPINACH**

One ounce will sow about 100 feet of drill.

**CULTURE.**—Sow in March or April in drills one inch deep and fourteen inches apart; again in August and September. Spinach delights in very rich soil—in fact, it is of no use sowing in a poor one.

**Norfolk Savoy-Leaved.** A valuable variety with wrinkled leaves, resembling the Savoy cabbage; hardy and prolific. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 35c.

**Large Thick-Leaved.** Fine market sort. It produces a large, thick leaf and stands for a long time before running to seed. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 35c.

**Round-Leaved.** One of the best for market or family gardens. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 35c.

**Large Thick-Leaved Viroflay.** A fine selection of the old lettuce-leaved spinach. Excellent for summer use. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 35c.

**Long Standing.** A distinct variety, standing from two to three weeks longer than any of the other sorts without going to seed in this climate. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 35c.

**New Zealand.** Produces leaves in great abundance throughout the summer; it should be transplanted two by three feet. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Victoria.** New extra dark black-green color. Two or three weeks later than the ordinary Long Standing. A fine variety for spring sowing. Per pkt. 5c., oz. 10c., lb. 35c.

**SEA-KALE**

One ounce will produce about 300 plants.

Cultivated for its blanched shoots, which are cooked as asparagus. A supply may be had all winter by planting the roots closely in a warm cellar before frost. Sow one inch deep in drills two feet apart, thin out to six inches, and the next spring plant in hills three feet apart.

**Sea-Kale.** Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.



*Long Standing Spinach.*



*White Bush Scalloped.*

**Golden Custard.** Mammoth strain of the Early Yellow Scalloped Bush. Golden yellow flesh, quality excellent. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c.

**Perfect Gem.** Round, white, very productive, and of fine quality. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c.

**Boston Marrow.** Medium early; oval in shape; yellow flesh, and of most excellent quality. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c.

**Early Summer Crookneck.** A very fine early summer variety. Fruit is yellow, fine flavor and productive. Per pkt. 5c., oz. 15c.  $\frac{1}{4}$  lb. 30c.

**Giant Bush Summer Crookneck.** The Crookneck class of Squash surpasses in quality any of the summer varieties, and in the Mammoth we have the delicious buttery flavor of the original sort, but of just double the size. Per pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 60c.

**Hubbard.** Finest of all the late-growing varieties. Bluish green color, occasionally marked with brownish orange. Will keep from September to May. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

*Giant Summer Crookneck.*

## SQUASH

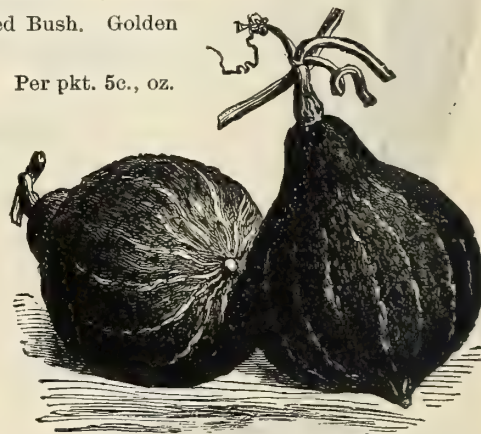
One oz. Early Squash will plant about 25 hills. One oz. Marrow Squash will plant about 50 hills.

**CULTURE.**—The Squash succeeds best in good rich soil. It is not advisable to plant before May 15th. Sow in hills in the same manner as cucumbers and melons.

**White Bush Scalloped.** This and the Yellow Bush Scalloped are esteemed the earliest, and are grown almost exclusively for first crop. From the hard texture of the rind it is well suited for shipping, and they are grown exclusively at the South for that purpose. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

**Long Island White Bush.** A selection of the Old White Bush Scalloped, and a vast improvement, having less prominent ridges and being much deeper, so that a single squash actually contains nearly twice as much weight for the same cubic measurement as the old sort. In addition to this, it is of finer quality and very prolific. We can strongly recommend this variety. Per pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Yellow Bush Scalloped.** Differs from the white only in color. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

*Squash Hubbard.*

**Delicata.** Early and very prolific; of oblong shape. Ground-color orange-yellow, splashed and striped with very dark green. Although of small size, the squash are solid and heavy, while the quality is rich and dry. An excellent "all seasons" squash. Per pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 75c.

**Mammoth Chili.** The flesh is very thick and of a rich yellow color; the quality is good and nutritious. They are most profitable to grow for stock feeding. They keep well throughout the entire winter. Per pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Winter Crookneck.** Splendid for winter; flesh, close-grained, sweet and of fine flavor. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c.

**Vegetable Marrow.** A favorite English and Canadian sort; oblong, from 9 to 18 inches in length. Flesh, white, soft and very delicious. Per pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c.

## RHUBARB

One ounce will produce about 1000 plants.

**CULTURE.**—Sow early in spring, in drills one inch deep and a foot apart; thin out; transplant the following season four feet apart each way. The ground should be drenched and well manured.

**Linnaeus.** Early, large and tender. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Victoria.** Very large, somewhat later than Linnaeus. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Rhubarb Roots** Each 10c., per doz. \$1.00.



# TOMATO

One ounce will produce about 1000 plants.

**CULTURE.**—The seed should be sown in a hotbed about the first week in March, in drills five inches apart and half an inch deep. When the plants are about two inches high they should be transplanted into another hotbed and planted four inches apart, or planted in four inch pots, allowing a single plant to a pot. About the 15th of May the plants may be set out in the open ground three feet apart. Water freely at the time of transplanting. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen. The fruit is greatly improved in quality if the vines are tied to a trellis or to stakes.

**Selected Early Paragon.** Vine medium sized, with large dark green leaves, having numerous clusters of three to seven large tomatoes, which are a rich dark red color, exceedingly smooth; flesh very firm, but without green spots. This is a favorite variety on account of its smooth, handsome fruit. One of the best varieties for canning. Per pkt. 10c.,  $\frac{1}{4}$  oz. 15c., oz. 35c.,  $\frac{1}{4}$  lb. 75c.

**Crimson Cushion.** The Crimson Cushion is more symmetrical in shape than the Ponderosa, and is much thicker through from stem to blossom end; in fact, so marked is this characteristic that it is frequently almost round. The color is brilliant scarlet crimson, untinged with purple, and ripens up almost to the stem. The flesh is firm and "meaty," and of superb quality. Per pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**S. & W. Co.'s Earliest of All.** Unquestionably the earliest red Tomato in cultivation. Fruit good size, brilliant red color, smooth, very prolific, and of superior flavor. If sown in March and transplanted will bear a good crop of Tomatoes by July, and continue fruiting until cold weather sets in. Per pkt. 10c.,  $\frac{1}{4}$  oz. 20c., oz. 40c.

**Mikado.** Distinct foliage; one of the earliest. Fruit very large, smooth, solid and of excellent quality. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Ponderosa.** The largest variety in cultivation. Per pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Early Ruby.** Extra early; good form, rich crimson color, very solid; fine market sort. Per. pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Perfection.** Smooth, productive and a good shipper. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.



*Early Paragon.*

**Dwarf Champion.** Distinct in foliage and habit of growth, being compact and upright; fruits early; medium size, and resembles the Acme in appearance. Per pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Beauty.** Large, smooth, pinkish red; thick flesh, regular form. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Stone.** One of the best. It is very large, perfectly smooth, and of a bright scarlet color. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Acme.** Early, of medium size, perfectly smooth, very solid and productive. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Trophy.** Improved. A standard variety. Very solid, smooth and excellent in every respect. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Golden Queen.** About size and form of Beauty; smooth, golden yellow. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Strawberry.** Small fruit, borne in clusters; used for preserves. Per pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

## TOMATOES

### Special Forcing Varieties

	Per Pkt.	Per $\frac{1}{2}$ Oz.	Per Oz.
S. & W. Co.'s Special Forcing . . . . .	25c.	\$1.00	\$2.00
Lorillard . . . . .	10c.	.15	.25
Best of All . . . . .	25c.	.75	1.50
Carter's Duke of York . . . . .	25c.	1.00	2.00

Our forcing Tomato seeds are grown under glass.





# TURNIP

One ounce will sow about  
150 feet of drill.



*Early White Milan.*

**White Egg.** Shape nearly oval, flesh firm, smooth white skin; mild and very sweet. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Early Snowball.** Small, solid, crisp and sweet; one of the best for table use. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Purple Top Munich.** One of the earliest varieties. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Red Top Strap Leaf.** A standard sort, extensively grown for market and private use. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**White Strap Leaf.** Early variety. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Purple Top White Globe.** An early variety, globe-shaped, heavy cropper; in other respects similar to Red Top Strap Leaf. A handsome-looking bulb, and is rapidly taking the lead of all other varieties of Early Turnip for market garden purposes. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 55c.

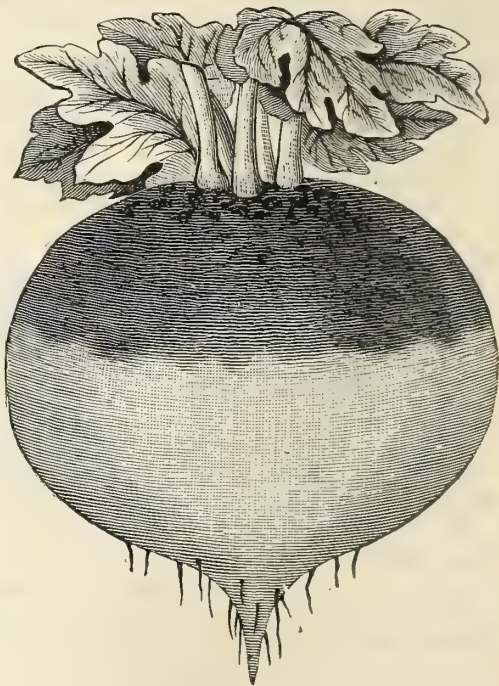
**Yellow Stone.** One of the best yellow flesh sorts for table use. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Golden Ball, or Orange Jelly.** This is the most distinct yellow Turnip we know. The flesh is of a very fine texture, making it one of the best table varieties. Its beautiful color and fine flesh have earned for it the synonym of "Orange Jelly," which well

describes its appearance when ready for the table. The bulb is of medium size, with small tap roots, and is early in maturing. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 55c.



*Ruta-Baga, Improved American.*



*Red Top Strap Leaf.*

**Long White, or Cow Horn.** A quick-growing, long-shaped variety; flesh fine-grained and sweet; excellent for table use. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Early Purple-Top Milan.** Earliest of all purple-topped turnips. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Yellow Aberdeen.** A very hardy and productive variety of fine form and excellent quality. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

## RUTA-BAGA

(Russian or Swedish Turnip)

**Improved American.** A yellow-fleshed, purple-top variety, grown either for stock or table use. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Long Island Improved.** The best variety offered. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Long White French.** A delicate flavored variety; an excellent keeper and fine for table use. Per pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.



## HERBS

## SEEDS OF SWEET, POT AND MEDICINAL

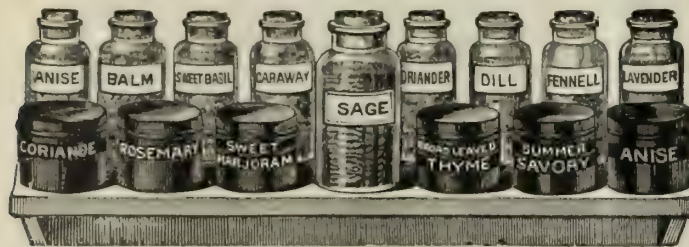
**Anise.** For garnishing and seasoning. Pkt. 5c., oz. 10c.

**Balm.** Used for balm tea or balm wine. Pkt. 5c., oz. 30c.

**Basil, Sweet.** Used for highly seasoned dishes. Pkt. 5c., oz. 20c.

**Benc.** A medicinal plant. Pkt. 5c., oz. 20c.

**Burnet.** Pkt. 5c., oz. 30c.



**Borage.** Leaves used for salad. Pkt. 5c., oz. 15c.

**Caraway.** Used for flavoring. Pkt. 5c., oz. 10c.

**Catnip.** Pkt. 5c., oz. 10c.

**Coriander.** Used chiefly for garnishing. Pkt. 5c., oz. 10c.

**Dill.** Used to flavor soups, etc. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

**Fennel.** Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c.

**Horehound.** Useful tonic properties. Pkt. 5c., oz. 25c.

**Hyssop.** For medicinal purposes. Pkt. 5c., oz. 15c.

**Lavender.** A popular aromatic herb, emitting a delightful perfume. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Marjoram, Sweet.** Popular for seasoning. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Rampion.** The roots and leaves are excellent as salad. Pkt. 5c., oz. 30c.

**Rosemary.** An aromatic herb. Pkt. 5c., oz. 20c.

**Rue.** Has medicinal qualities. Pkt. 5c., oz. 20c.

**Saffron.** Pkt. 5c., oz. 20c.

**Sage.** The leaves and tender tops are used in stuffing and in sauces. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Savory, Summer.** Used for seasoning. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

**Tarragon (Esdragon).** True. Used for seasoning. Pkt. 25c.

**Thyme, Broad-Leaved.** For seasoning; also useful as a bee food. Pkt. 5c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Winter Savory.** Pkt. 5c., oz. 20c.

**Wormwood.** Pkt. 5c., oz. 35c.

## TOBACCO SEEDS

## THE BEST VARIETIES FOR EVERY TYPE.

Our Tobacco Seed is grown for us by one of the most reliable Tobacco Seed growers in the world. And the varieties listed are those of established good qualities and Pedigree Seeds, improved by continuous selection, grown on the Crown Spray of Selected Seed Stocks, true to name and of the highest vitality.

**Bonanza.** A White Burley cross on Yellow Oronoko, and a very superior one, possessing the qualities of both parents beautifully blended, and for the manufacturing types most popular and in the greatest demand; it is superior to either of them, for it is tougher than the Burley and more porous than the Oronoko, and therefore makes superior Wrappers, Cutters and Fillers. It stands the vicissitudes of seasons better than the Burley. Per pkt. 10c.,  $\frac{1}{4}$  oz. 40c.,  $\frac{1}{2}$  oz. 75c., oz. \$1.50.

**Gold Finder.** A Yellow Oronoko crossed on White Burley, and in the estimation of some planters who have seen it growing, the most beautiful yet developed. Growing on the hill it is almost as white as the Burley; has the shape, won its way to favor, and is destined to become a favorite. Per pkt. 10c.,  $\frac{1}{4}$  oz. 40c.,  $\frac{1}{2}$  oz. 75c., oz. \$1.50.

**Big Havana.** A hybrid Havana or Cuban seed-leaf. A heavy cropper, of fine texture, delightful flavor and earliest cigar variety to mature and ripen. Will make two crops from one planting in the South, whilst its earliness makes it most desirable for high latitude. The best Americanized Havana. Per pkt. 15c.,  $\frac{1}{4}$  oz. 50c.,  $\frac{1}{2}$  oz. 90c., oz. \$1.75.

**Comstock Spanish.** This is an original pure Havana seed-leaf, developed to suitable size for wrappers and fillers by four or five years' replanting. It is held to be one of the very best varieties of cigar tobacco grown in this country. Per pkt. 10c.,  $\frac{1}{4}$  oz. 40c.,  $\frac{1}{2}$  oz. 75c., oz. \$1.50.

**Turkish.** Grown direct from imported seed. First year's crop better than imported, as it is partially acclimated, but still retains its flavor. Per pkt. 25c.,  $\frac{1}{4}$  oz. 75c.,  $\frac{1}{2}$  oz. \$1.50, oz. \$3.00.

**Sumatra.** De Rano, de Deli. The cream of cigar wrappers. Per pkt. 15c.,  $\frac{1}{4}$  oz. 50c.,  $\frac{1}{2}$  oz. 90c., oz. \$1.75.

**Choice Havana.** A very superior Americanized Havana, extra fine. Per pkt. 15c.,  $\frac{1}{4}$  oz. 50c.,  $\frac{1}{2}$  oz. 90c., oz. \$1.75.

**Vuelta de Abajo.** The finest, silkiest and highest flavored Havana grown. Where you want the best, procure our seed of first crop. First crop grown from seed imported from the Vuelta Valley. Per pkt. 25c.,  $\frac{1}{4}$  oz. 75c.,  $\frac{1}{2}$  oz. \$1.50, oz. \$3.00.

**Havana Seed Leaf.** The largest of the Havana strain, and popular. Per pkt. 15c.,  $\frac{1}{4}$  oz. 50c.,  $\frac{1}{2}$  oz. 90c., oz. \$1.75.





## BIRD SEED, BIRD FOOD, ETC.

### Bird Seed and Prepared Bird Food

Making a Specialty of Bird Foods, etc., our facilities are unsurpassed for producing the best articles at the most reasonable prices.

	Per lb.	Per 5 lbs.
<b>Canary Seed.</b> Spanish . . . . .	\$0 10	\$0 40
“ “ Sicily . . . . .	10	40
<b>Rape Seed.</b> German Summer . . . . .	10	40
<b>Hemp Seed.</b> Imported . . . . .	10	40
<b>Sunflower Seed.</b> . . . . .	10	40

	Per lb.	Per 5 lbs.
<b>Millet Seed.</b> American . . . . .	\$0 10	\$0 40
“ “ Imported Yellow . . . . .	10	40
“ “ White . . . . .	15	65
<b>Maw Seed.</b> Blue . . . . .	20	75
<b>Lettuce Seed</b> . . . . .	25	1 00
<b>Unhulled Rice, or Paddy</b> . . . . .	15	65

**Song Restorer, or Treat.** An invigorating Tonic and Restorative for Canary Birds, Goldfinches, Linnets, and all Seed Birds. This preparation will, in every case, restore to their natural notes birds who have lost their song from the effects of cold or excessive moulting. For breeding birds and their young it is invaluable, strengthening their notes and improving their plumage. Per bottle 25c., by mail 30c.

**Prepared Mocking Bird Food.** (Gold Medal Brand.) For Mocking Birds, Thrushes, Blackbirds, Robins, Nightingales, Skylarks, and all Soft-bill Birds, this preparation is the purest, healthiest, and cheapest bird food known, its ingredients approximating closely to the food of birds in their natural state, and its use in all cases causing a marked improvement in their song and appearance. Per 1-lb. bottle, screw tops 25c., 1-lb. tin cans 25c., in bulk 25c. lb., 5 lbs. \$1.00.

**Imported Mixed Bird Seed.** In lb. boxes (full weight), 10c. each, doz. \$1.00

**Washed Silver Gravel for Birds.** Per qt. box 60c. doz., case of 3 doz. \$1.50.

**Genuine German Bird Lime.** For catching Birds, Flying Insects, etc. Per bottle 25c.

**Genuine Prepared Fish Food.** A perfectly pure article, specially prepared for feeding Goldfish, etc., kept in aquaria or globes. Per box 10c., doz. boxes \$1.00, by mail postpaid.

**Mullett's IXL Fish Food.** This condensed fish food is prepared with great care. It contains in a handy and clean form the various foods relished by fish when in their natural homes. A portion of it, equal in volume to a grain of wheat, fed once a day, is sufficient to keep a medium sized aquarium fish in prime condition for years. One box of this food contains ample nourishment for three goldfish for an entire year. Per box 25c. postpaid.

**Prepared Food for Parrots.** For Parrots, Macaws, Parakeets, etc. This food is composed of a mixture of seeds, etc., recommended by the most experienced Bird Fanciers. Per lb. box 12c., doz. \$1.20.

**Ant Eggs—a Treat or Relish.** For Mocking Birds, Thrushes, Robins, etc. Per box, postpaid, 25c.

### Poultry and Pigeon Seeds, Grains, Foods, Etc.

	Quart.	Bush.
<b>Barley.</b> . . . . .	\$0 10	\$1 25
<b>Buckwheat</b> . . . . .	10	1 40
<b>Canada Peas</b> . . . . .	15	2 50
<b>Canary Seed</b> . . . . .	15	2 50
<b>English Vetches or Tares.</b> . . . . .	15	3 00

	Per lb.	Per 100 lbs.
<b>Hemp Seed</b> . . . . .	\$0 10	\$6 00
<b>Lentils</b> . . . . .	10	6 00
<b>Millet Seed</b> . . . . .	10	4 00
<b>Small Corn</b> . . . . .	10	4 00
<b>Sunflower.</b> . . . . .	10	6 00

Special prices on large lots given upon application

**CLEAR GRIT.** For Poultry and Pigeons—A Rich Limestone Grit. This Grit is conceded to be the best Grit in the market by poultrymen who understand what is needed in a first-class poultry yard to make it pay, it being rich in lime. Here, in Clear Grit, is the very article desired, for it is clean, sharp pieces of limestone (not gravel, which is usually abraded, but sharp, clear grit, and the grit is limestone itself). Per 25-lb. sack 50c., 100 lbs. \$1.00, bbl. of 250 lbs. \$1.90 net.

**BEEF SCRAPS** are composed of the same ingredients as animal meal, but not ground as fine. It is not nearly as highly concentrated, and may be fed dry to fowls, just as oyster shells, bone, etc. Per lb. 5c., 10 lbs. 45c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00. Special price by the ton.

**GRANULATED BONE.** About the size of wheat and can be fed like any other food in grain. Per 5 lbs. 25c., 100 lbs. \$2 50.

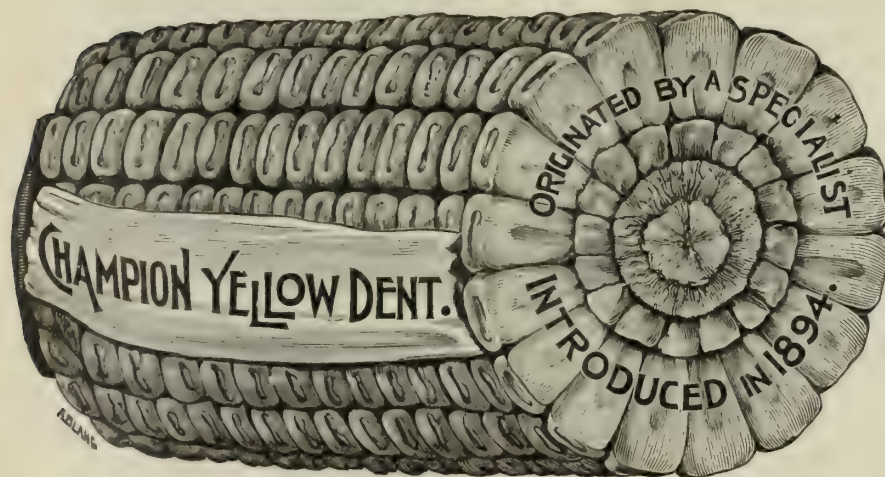
**BONE MEAL.** Laying hens and young chickens whose digestive powers are not strong are much benefited by this, especially during the winter months or where closely confined in yards. Per 5 lbs. 25c., 100 lbs. \$2.50.

**OYSTER SHELLS, Ground.** Prepared from oyster shells, thoroughly washed, dried and made sweet. Per 5 lbs. 15c., 25 lbs. 40c., 100 lbs. \$1.00, per bbl., about 250 lbs., \$2.00.



# FARM SEEDS

## FIELD CORN



### CHAMPION YELLOW DENT CORN

This famous corn still retains its popularity as an exceedingly early and prolific variety, always maturing in about 120 days; often shelling 62 pounds of grain from 70 pounds of ears. Kernels closely set, large, of deep orange color; cob very small and red; stalks about 7 feet in height. This is probably the best Dent Corn for general cultivation in the North, and is now largely used in the South and West, as it matures its crop before the hot winds affect it. This corn is not fully appreciated until the large yield and small percentage of cob to

corn are carefully noted. There is no Yellow Dent Corn yet discovered that can take the place of this most valuable variety. It is a safe corn for any section of country, never disappoints the grower by maturing too late, yields more corn acre for acre than any other, and has by far the most satisfactory record of Yellow Dent Corn ever introduced. Per qt. 15c., pk. 90c., bush. \$2.50.

### IOWA GOLD MINE CORN

**An Early Yellow Dent.** A very popular Yellow Dent Corn originated in Central Iowa. It has a very long yellow grain, and very small, red cob. By a careful test, 400 measured bushels of its ears shelled out 456 bushels. It matures in about 95 days, and gives good satisfaction. Seed was grown from direct headquarters stock. Per qt. 15c., pk. 90c., bush. \$2.50

### SANFORD WHITE FLINT

We have had many inquiries in the past for a white flint, but have never before been able to offer it, as it has always been a difficult matter to get hold of good seed. We now have some choice select seed of this one of the best of all flint varieties. The ears are very long, 12 to 15 inches, of handsome appearance, with large kernels of a transparent white color. The stalks are very leafy and the corn is also very productive, with usually two or three ears on a stalk. Per qt. 15c., pk. 75c., bush. \$2.50.

### LONGFELLOW FLINT

The most popular of all flint varieties. It is a beautiful eight-rowed yellow flint, very slender straight ears, 10 to 15 inches long. Kernels are large and wide and cob very small. Ripens in 75 to 85 days and very prolific. Well adapted to the northern States and largely grown in northern Wisconsin and Minnesota. Per qt. 15c., pk. 75c., bush. \$2.50.

### SOUTHERN FODDER, HORSETOOTH

Another white variety that no silo owner or dairy farmer should overlook. It grows 12 to 16 feet high; has broad foliage and tender stocks. There is no better fodder to keep up the flow of milk during hot weather when the grass is burned up. It will yield very heavy crops. Per qt. 15c., bush. \$1.50, 10 bush. \$1.40 per bush.

### IMPROVED EARLY HORSETOOTH

Same as Southern Horsetooth, but better selected and earlier. Per qt. 20c., bush. \$1.60, 10 bush. \$1.50 per bush.

### SWEET FODDER CORN

For soiling or ensilage. Profitable as green fodder; cut when green to feed cattle. Sow broadcast 2 bushels. In drills 3 feet apart 1 bushel per acre. Per qt. 20c., pk. \$1.00, bush. \$3.50.

### SNOW WHITE DENT CORN

In every way the best milling corn in the world. Most free from barrenness. Highest average yielder. The rapid development during the past few years of the manufacture of white corn products has had one great hindrance in the way of much greater development, namely, the horrible quality of the corn grown. *Snow White Dent Corn*, which is by great odds the whitest, purest, densest, and most uniformkerneled, surest maturing and most free from the curse of dry rot (which is the embodiment of an ideal milling corn), we have also established buoyant cosmopolitan character and great freedom from barrenness and its attendant degeneracy—dry rot, smut, chaffiness, abortive pollenization, etc. Per qt. 20c., pk. \$1.00, bush. \$3.00.

### IMPROVED LEAMING CORN

This popular and distinct variety of Yellow Dent Corn certainly has, beyond question, reached the grandest success of any Yellow Dent Corn that have ever been brought before the farming public. The stalks grow to a medium height, not large, but thick, have but few suckers, and often produce two fine ears, which in the true Leaming are low upon the stalk. The grain is long, narrow and thick, and sets very close together in the rows. The cob is medium-sized and very red. This corn husks and shells very easily, and weighs 60 to 62 pounds per measured bushel, and matures in 90 to 120 days. Per qt. 15c., pk. 90c. bush. \$2.50.



# FARM SEEDS—Continued

## SEED OATS

**German Rust-Proof Oats.** We have no hesitancy in offering this grand new variety of oats as the very best and heaviest yielding sort that has ever been introduced. This is our first year to put them on the market, and we do so with the full assurance that all customers who order them will be glad they have done so, and that they will find them to be all that we recommend them to be, and much more. Being of German origin makes them much more robust and prolific than any variety that has ever been originated in the United States. The old White Russian, the Lincoln and the White Scotch—all imported varieties—have stood the test well, and proved of great value to those who have grown them, but of course these varieties have been allowed to deteriorate and run out, and our new German Rust-Proof Oats will prove of even more value to growers of oats than any of these varieties ever have. No such stooler has ever been seen as our German Rust-Proof, as one and one-half bushels is bountiful to seed one acre. Thin hull, tall, stiff straw, rust-proof, long heads, and beats them all on big yields. These oats are no experiment in this country, as they have been thoroughly tested in all the Northwestern States in the past two years, as we wanted to satisfy ourselves that we could safely recommend them. One grower has just written that he raised over 150 bushels per acre this last season. Per qt. 20c., pk. 75c., bush. \$2.00, 10 bush. \$17.00.

### Standard Varieties of Northern-Grown Seed Oats

	Quart.	Peck.	Bushel.
Clydesdale . . . . .	15c.	50c.	\$1 50
Lincoln . . . . .	15c.	40c.	1 25
White Russian . . . . .	15c.	40c.	1 25
Banner . . . . .	15c.	40c.	1 25

In lots of ten bush. or over, deduct 10 per cent.

### SPRING RYE

Used as a catch crop to sow where winter grain has failed. Per pk. 75c., bush. \$2.00, 5 bushels or over \$1.75 per bush.

### SPRING WHEAT

**Saskatchewan Fife.** This is the most desirable variety of spring wheat. Per pk. 75c., bush. \$2.25.

### BUCKWHEAT

Sow about the middle of June, broadcast, 3 pks. to the acre.

**New Japanese.** This is a superior variety and more prolific, and yields double the weight per acre of other sorts. The grains are nearly twice as large as those of Silver Hull, and of fine color. This variety is always in demand, millers preferring it to all other sorts, and it makes the finest flour. Per pk. 50c., bush. \$1.50.

**Silver Hull.** Per pk. 50c., bush. \$1.35

### Peas for Fodder

	Per Peck.	Per Bushel.
Cow Peas, Clay's . . . . .	75c.	\$2 50
" " South Black Eye . . . . .	75c.	2 50
Canada Field White . . . . .	75c.	2 00

**Sunflower Mammoth Russian.** Highly valued as an excellent and cheap food for fowls. It is the best egg producing food known. It can be raised cheaper than corn. Four pounds of seed will plant an acre. Per lb. 10c., 10 lbs. 75c., 100 lbs. \$6.00.

**Artichokes, Jerusalem Roots.** They are sometimes used as a table vegetable when pickled, but their greatest value is for feeding stock. They are the best hog food known. Per lb. 35c., 3 lbs. \$1.00 postpaid. By freight or express, pk. \$1.00, bush. \$3.50.

## MILLET

**Hungarian Millet.** A species of annual millet, yielding two to three tons of hay per acre. Sow one bushel to the acre, from May up till August. It is invaluable for overcoming a shortage of the regular hay crop. Per pk. 50c., bush. \$2.00, 10 bush. or more \$1.75 per bush.

**German or Golden Millet.** A valuable annual hay and fodder crop, more productive and coarser than Hungarian Grass, medium early, four to five feet high. Sow one bushel per acre. Per pk. 60c., bush. \$2.00, 10 bush. or more \$1.75 per bush.

**Japanese Millet.** Entirely distinct from any other Millet, grows tall and produces an enormous crop. It may be sown from the middle of May to the first of July, broadcast, at the rate of 15 lbs. to the acre, but it is better to sow it in drills, 12 to 18 inches apart, using 10 to 12 lbs. per acre, and hoed between the rows to keep down all weeds until the plant attains a height of 12 to 18 inches. This variety has yielded 21 tons of green fodder per acre, and a yield of over six tons of cured hay per acre. As a soiling crop we cut it three or four times during the season, when two to three feet in height. In connection with Sojas, in alternate layers, it makes an ensilage that comes nearer to being a perfectly balanced ration than any other crop. Per lb. 10c., 10 lbs. 90c., 100 lbs. \$7.50.

**Dwarf Essex Rape.** The true Dwarf Essex Rape is valuable as a fattening food for pasturing sheep in autumn. It is particularly adapted as a "catch crop," for it grows best late in the season. In the Northern States it can be sown at any time from May until the end of August, but in the Southern States it should not be sown until September or October for winter pasture. Its fattening properties are said to be twice as good as clover. Sow ten to twelve pounds to the acre broadcast, or four to five pounds per acre in drills fifteen inches apart. Per lb. 10c. 10 lbs. 75c., 100 lbs. \$7.00



## GENERAL LIST OF GRASSES AND CLOVERS



Red Top.

**HARD FESCUE** (*Festuca Duriuscula*). One of the most desirable dwarf grasses; excellent for dry soils. Per bush. \$2.50, lb. 25c., postpaid.

**MEADOW FESCUE** (*Festuca Pratensis*). A valuable grass for permanent pastures; very productive and nutritious. Per lb. 35c., postpaid.

**SHEEP FESCUE** (*Festuca Ovina*). An excellent grass for sheep pastures. Per lb. 35c., postpaid.

**English Rye Grass** (*Lolium Perenne*). A very nutritious, rapid-growing variety, valuable for meadows and pastures. Per bush. (24 lbs.) \$2.50, lb. 25c., postpaid.

**Italian Rye Grass** (*Lolium Italicum*). A valuable European variety, adapted to any climate, and produces large and nutritive crops. Per bush. (18 lbs.) \$2.50, lb. 25c., postpaid.

**Rough Stalked Meadow Grass** (*Poa Trivialis*). Produces an abundant crop of highly nutritious herbage; valuable for either moist or dry soils. Per lb. 50c., postpaid.

**Wood Meadow Grass** (*Poa Nemoralis*). A very productive and nutritive grass, adapted for lawns or pastures. Thrives well under trees. Per lb. 50c., postpaid.

**HUNGARIAN GRASS** (*Panicum Germanicum*). This is a species of millet, growing less rank, with smaller stalks, often yielding two or three tons of hay per acre; 1 bushel per acre. Per bush. (48 lbs.) \$2.00, lb. 25c., postpaid.

**Red Top**. Choice seed. Per bush. (14 lbs.) \$2.00, lb. 20c., postpaid.

**Fancy Red Top**. Clean seed, free from chaff. Per bush. (32 lbs.) \$5.00, lb. 25c., postpaid.

**Kentucky Blue Grass** (*Poa Pratensis*). Well-known and extensively grown in all parts of the country. Per bush. (14 lbs.) \$2.25; lb. 25c. postpaid.

**ORCHARD GRASS**. A valuable pasture grass, relished by stock of all kinds; particularly adapted for growing in shady places. Per bush. (14 lbs.) \$2.75; lb. 30c., postpaid.

**TIMOTHY**. A variety well-known and highly appreciated, producing a profitable hay crop in almost any soil;  $\frac{3}{4}$  bush. per acre. Per bush. (45 lbs.) \$3.00 per bush.

**Meadow Foxtail** (*Alopecurus Pratensis*). One of the earliest and best pasture grasses; grows rapidly when cut or eaten down by stock. Per bush. (7 lbs.) \$2.50, lb. 40c., postpaid.

**Sweet Vernal Grass** (*Anthoxanthum Odoratum*). Prized more for its early growth than nutritive value. It should be sown in connection with other grasses. Per lb. 85c., postpaid.

**TALL OAT GRASS** (*Avena Elatior*). Producing an early and luxuriant growth; this is a valuable variety for pastures. Per bush. (10 lbs.) \$2.75, lb. 40c., postpaid.

**Johnson Grass**. Per bush. (25 lbs.) \$4.00, lb. 30c., postpaid.

**Rhode Island Bent** (*Agrostis var.*). Excellent for lawns or pastures. Per bush. (14 lbs.) \$5.25, lb. 50c., postpaid.

**CRESTED DOGSTAIL**. An excellent grass for hard, dry soils; valuable for pastures and lawns. Per lb. 50c., postpaid.



Timothy.

## CLOVER SEEDS.

	Weight per bush. lbs.	Per bush.	Per lb.	Per 100 lbs.
<b>Red Clover, Medium</b> ( <i>Trifolium Pratense</i> ). Common or medium clover. The leading variety of clover for pastures or meadows. . . . .	60	\$12 00	\$0 25	\$20 00
<b>White Dutch Clover</b> ( <i>Trifolium Repens</i> ). The best variety for lawns, as it forms a close herbage and remains green throughout the season. It is also valuable when mixed with grass seeds for pasture. . . . .	60	18 00	35	30 00
<b>Alfalfa, or Lucerne</b> ( <i>Medicago Sativa</i> ). One of the best varieties, succeeding especially in the South and West, and bearing heavy crops of forage. For bringing up poor land it is one of the best of the clovers. Sow early in the spring to secure a good stand before winter. 20 lbs. to the acre. . . . .	60	13 20	25	22 00
<b>Alsike, or Swedish</b> ( <i>Trifolium Hybridum</i> ). Hardest of all clovers, and on rich, moist soils, yields an enormous quantity of hay or pasturage. Lasts many years. Valuable for sowing with other clovers or grasses, as it forms a thick bottom and increases the yield of hay. Sow 6 lbs. per acre when used alone. . . . .	60	15 00	30	25 00
<b>Crimson or Scarlet Clover</b> . It can be seeded at any time from June to October, at the rate of 15 to 20 lbs. per acre, and makes the earliest possible spring pasture, blooming the latter part of April or May, and for feeding as hay should be cut just before coming into full bloom. If sown with Italian Rye Grass or Orchard Grass, which matures at the same time, it yields luxuriant and nutritious crops for pasture. Sow Crimson Clover at the last working of all crops like Beans, Corn, Melons, Cucumbers, Tomatoes, and other crops. . . . .	60	6 00	15	10 00

Prices on Grass Seed and Clover subject to change without notice.



# Stumpp & Walter Co.'s High Grade



## Lawn Grass Seed

**For Lawns, Grass Plots, Tennis Courts, Cricket Grounds, etc.**

**Weights 22 lbs. per bushel.**

Our "High Grade" Lawn Grass Seed is composed of the very finest re-cleaned grasses, free from weeds and all foreign matter, and where a strictly first quality *Grass Seed* is wanted, we recommend this grade of *Seed*. While the price, \$5.00 per bushel, may seem high, remember our seed weighs 22 lbs. to the measured bushel, and requires only 3 to 4 bushels to the acre for new lawns, and 1 to 2 bushels for renovating old lawns.

Sow S. & W. Co.'s "High Grade" Lawn Grass Seed and you will obtain a beautiful deep green lawn, which, owing to the varieties used in this mixture, will retain its velvety appearance during the entire summer.

One quart of our "High Grade" Lawn Grass Seed is sufficient to sow about fifteen feet square; an acre will require from three to four bushels. To produce a good lawn it is always best to sow the seed thickly.

### Price.

**Per quart, 25 cts.; per 4 quarts, 85 cts.; per 8 quarts, \$1.50; per bushel, \$5.00; per 10 bushels, \$45.00.**

## Central Park Lawn Grass

The Dwarf-Growing Seed we offer under the above name is the same mixture of selected seeds as has been furnished for several years to the Department of Parks and to most of the Florists and Gardeners of New York City and Brooklyn.

One quart of the Central Park Mixture is sufficient to sow about fifteen feet square; an acre will require from four to five bushels. To produce a good lawn it is always best to sow the seed thickly.

### Price of Central Park Lawn Grass.

**Pint packages, each 10 cts., by mail, 15 cts.; Quart packages, each 20 cts., by mail, 30 cts.;**

**Per  $\frac{1}{2}$  peck, 60 cts.; per peck, \$1.00; per bushel, \$3.50.**



# Lawn Grass Mixtures

## FOR SPECIAL SITUATIONS

**H**AVING made a special study of grasses we invite correspondence on the subject, and are always willing to advise, as far as our knowledge will permit, how to secure the desired results, or will cheerfully prescribe for whatever the requirements of any special plot may be. With a view to overcome difficulties in getting grass to grow, generally the result of using mixtures of grasses not adaptable for the peculiar situations and conditions, we offer herewith a few Special Mixtures, made up of varieties which will thrive in these situations, and under the conditions for which they have been prepared.



The Result of our  
Grass  
Seed

## Shady Place Lawn Seed

There is nothing more annoying in caring for a lawn than the bare, unsightly spots under the trees, shrubs, etc., and invariably all efforts have failed to get the grass to grow in such places; but by sowing this mixture the difficulties will be overcome. It is a combination of dwarf-growing varieties which will do well in all shaded places, being found in their natural state in woods and other sheltered spots. Per qt. 35c., 4 qts. \$1.00, 8 qts. \$1.75, bush. (20 lbs.) \$6.00.

## Terrace Sod Lawn Grass

### To Grass a Bank or Terrace.—

For each square rod, take two quarts of lawn grass seed and mix it thoroughly with six cubic feet of good, dry garden loam. Place it in a tub, and add liquid manure, diluted with about two-thirds of water, so as to bring the whole to the consistency of mortar. The slope must be made perfectly smooth, and then well watered, after which the paste should be applied, and made as even and as thin as possible.

A special mixture of grasses best suited for sowing on terraces and side hills—grasses that produce strong spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich, green turf throughout the season. Per qt. 35c., 4 qts. \$1.00, 8 qts. \$1.75, bush. (20 lbs.) \$6.00.

**Golf Link Grass Mixture**, for Putting Greens. Weighs 22 lbs. to bushel. Per qt. 30c., 4 qts. \$1.00, 8 qts. \$1.75, bush. \$6.00.

**Golf Link Grass Mixture**, for Outlying Grounds. Weighs 16 lbs. to bushel. Per qt. 15c., 4 qts. 50c., 8 qts. 75c., bush. \$2.50; in large quantities, \$2.25 per bush.

**Special Prices Quoted on Larger Quantities**





## STUMPP & WALTER CO.'S

### Grass Seed M I X T U R E S



FOR HAY and  
PERMANENT  
PASTURE

FOR every different kind and condition of soil there are a large number of grasses, either indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of spring until winter sets in there is no time when one species or another is not at its best. From these considerations the importance of sowing many varieties for pasture and meadow purposes will be apparent, consisting of the following varieties: Orchard Grass, Meadow Foxtail, Sheep's Fescue, Rhode Island or Creeping Bent, Hard Fescue, Sweet-Scented Vernal (True Perennial), Meadow Fescue, English Rye Grass, Italian Rye Grass, Red Top, Timothy and Red Alsike Clover, blended in proportions which, we have found from actual use, give the most satisfactory results.

On ordinarily fertile soil three bushels of this mixture are sufficient to seed an acre, but where the land is poor a larger quantity will be necessary. Taking one soil with another, a fair average would be three bushels to the acre.

For Hay and Permanent Pasture for Light Soils,

" " " " " Medium Soils,

" " " " " Heavy Soils,

" Orchard and Shady Places.

" Hay only. Specially recommended for large hay crop.

" Pasture only. Will stand close cropping without injury.

	\$2.50 per bushel of 14 lbs.
20 bushel lots,	\$2.45 per bushel
50 " "	2.40 "
100 " "	2.35 "



## FLORAL NOVELTIES AND RARE AND VALUABLE VARIETIES OF

# FLOWER SEEDS

## NICOTIANA SANDERÆ

(Carmine Tuberose-flowered Tobacco)

This beautiful hybrid *Nicotiana* was raised in England and has been exhibited this season at the Temple show and elsewhere and in every case has been spoken of as the most strikingly beautiful plant of the year. The originators describe it as forming bushy, much branched plants 2 feet high, the whole plant laden with flowers from base to summit—literally ablaze with most handsome carmine-red fragrant blossoms, thousands of which are produced on a single plant. In form the flower resembles *Nicotiana Affinis*, but having a short stout tube, and, unlike that variety, does not close up in the day time, but remains open all day. The fragrance, while not so powerful as in *Nicotiana Affinis*, is decidedly delicious. It is as easy to grow as a *Petunia*. If started indoors in early spring and planted out in May it gives a continuous display of blooms all summer and autumn. It can also be sown in the open ground when the weather becomes warm. Our own representative has seen the plants this summer and speaks very highly of this valuable novelty, which is undoubtedly destined for universal use. Price, pkt. 25c., 5 pkts. \$1.00.



*Nicotiana Sanderæ.*

Plant showing bushy habit and floriferousness reproduced from a photo.

A Beautiful Hardy Perennial

## STOKESIA CYANEA

Or Cornflower Aster

This beautiful native hardy plant is not yet so well known as it should be. Without doubt the most valuable novelty of recent introduction. No garden, large or small, should be without it. No picture, be it ever so perfect, can do justice to its delicate beauty. When once seen every one will want a bed of them. As a single specimen or group in the hardy border it makes for itself a place that cannot be filled by any other hardy plant, while for beds or masses of any size, it ranks with the Phlox, Peony and Iris. It is of the easiest culture, growing easily from seed and also multiplied by division of the plant. The plants grow from 16 to 24 inches high, and in the North bloom from July to late in October, while in the South they bloom during May and June, with occasional blooms later if kept well cultivated. Although a native of the Sunny South it, seems to grow equally well all over the North and is reported perfectly hardy as far North as Northern Wisconsin. Its beautiful centaurea-like blossoms of a delicate lavender-blue color are highly valuable for cutting, supplying a shade of color not overly plentiful at any season of the year. It starts off rather slowly when first set out and is far superior the second year after setting, so should be set where it can make a permanent bed. Price, pkt. 25c., 1/8 oz. \$1.00, 1/4 oz. \$1.75.



*Stokesia Cyanea.*





Carnation Giant Marguerite.

summer in the same beauty for many years, and resists the most severe winter. We can especially recommend it, as its pure white flowers surpass all other varieties. Per pkt. 15c., per 4 pkts. 50c., per 10 pkts. \$1.00.

## CARNATION GIANT MARGUERITE

Without exception, these are the most abundant bloomers of all the Carnation Pinks. The flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white, variegated, etc. They are of perfect form and large size. Those sown in spring commence flowering in early summer, and continue to bloom in lavish profusion until checked by frost.

Giant Marguerite		Per Pkt.	Per 200 seeds.
Yellow.....	25c.		\$1 00
Pure White.....	25c.		1 00
Salmon.....	25c.		1 00
Rosy Carmine.....	25c.		1 00
Scarlet.....	25c.		1 00
Finest Mixed.....	10c.		25

Collection, 1 packet each above 6 varieties, \$1.00.

## CHRYSANTHEMUM

### Maximum "Princess Henry"

The finest and most valuable of the Maximum varieties, even superior to the famous "Perfection." It is of a more set growth, only about 18 inches high. Very floriferous, the plant is of a globular shape and very decorative; the flowers open to 4 inches and more in diameter, and give an abundant and very handsome cutting material. Contrary to other varieties named in lists of growers of perennials, this comes true from the seed. It is not particular as to soil, coming up every

## ASTERS

### Sample's Giant Late-Flowering

A handsome strain of late-flowering Asters. Superior to all other sorts of this class, lengthening the Aster season until frost. The flowers are very large, measuring four inches in diameter, of purest colors, and are borne on long stems. They begin to bloom in August.

### Sample's Aster

Per Pkt. 500 Seeds.		Per Pkt. 500 Seeds.	
Pure White.....	10c. 50c.	Purple.....	10c. 50c.
Shell Pink.....	10c. 50c.	Crimson.....	10c. 50c.
Rose Pink.....	10c. 50c.	Mixed.....	10c. 50c.
Lavender.....	10c. 50c.		

Collections, 1 pkt. each 6 above varieties for 50c.

### Giant Comet Asters

It would seem as if the highest possible perfection had been attained in these truly grand Asters. They win enthusiastic admiration from all who see them. The flowers are of immense size, often 6 inches across, composed of long, wavy, twisted petals, gracefully formed into loose, yet densely double, half-globes, resembling some of the finer Japanese Chrysanthemums. These giant varieties differ from the older well-known Comet Asters, not only in bearing greatly larger flowers, but the petals are longer and broader. The plants are of luxuriant growth, attaining a height of 15 inches, each plant bearing from 20 to 30 of these magnificent flowers on long stems, which give them an added value for cutting for vases.

Per Pkt. 500 Seeds.		Per Pkt. 500 Seeds.	
White.....	10c. 50c.	Dark Blue.....	10c. 50c.
Rose.....	10c. 50c.	Light Blue.....	10c. 50c.
Scarlet.....	10c. 50c.	Crimson.....	10c. 50c.
Giant Comet Mixed, per pkt. 10c., per 500 seeds 40c.			
Imported Collections; 6 varieties 50c., 12 varieties \$1.00.			



Giant Comet Aster.



## New Giant-Flowering Tall NASTURTIIUMS



*Nasturtium Jupiter.*

### Jupiter

"As beautiful as an orchid," has been remarked of this magnificent flower, the precursor of a new race of giant Nasturtiums. The plants are strong and vigorous, with very large bright green leaves, measuring from 5 to 8 inches across. The flowers, which are very numerous, measure  $3\frac{1}{2}$  inches in diameter and are borne on long stems well above the foliage. They are exquisitely formed, with overlapping, crinkled petals. The color is a bright golden yellow, overlaid with a glow of orange in the crinkles around the throat, extending softly outward. They are produced in great numbers and have a most striking effect. Their fine color, long stems, great size and æsthetic form make them valuable for cutting. Per pkt. 10c., oz. 35c., 4 oz. \$1.20.

**NASTURTIIUM Sunlight.** A beautiful giant-flowered, golden-yellow climber that gives myriads of splendid large flowers. Per pkt. 10c., oz. 25c., 4 oz. 75c.

**NASTURTIIUM Moonlight.** The counterpart of Sunlight, except that it is a lovely straw color. Per pkt. 10c., oz. 25c., 4 oz. 75c.

**NASTURTIIUM California Giants Mixed.** Splendid California varieties, with very large flowers and a great range of exquisite colors. Per pkt. 10c., oz. 25c., 4 oz. 75c.

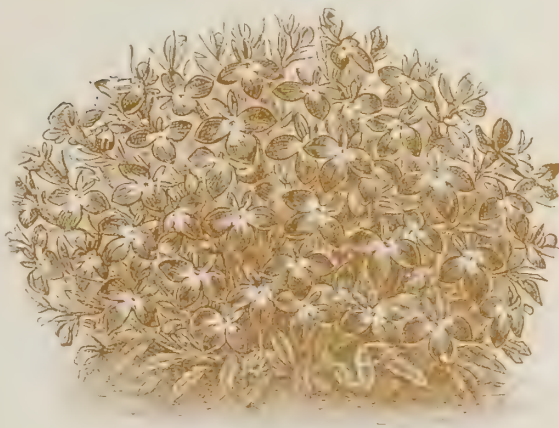
## Three Fine Lobelias

**MAGENTA QUEEN.** The existing want of a really good red color in the Lobelia assortment suggested to us to bestow great care upon the culture of above sort, which first appeared in the well-known Lobelia, "Prima Donna." This new sort flowers very freely, and from the center of its vivid red flowers shines a large white eye, which shows off the new fashionable hue to great advantage. Per pkt. 10c.

**PUMILA SPLENDENS.** Dark blue, white eye. Per pkt. 10c.

**WHITE GEM.** Pure white. Per pkt. 10c.

These three varieties are excellent for beds or borders, as the combination of colors is very rarely found in any other plants. One packet each of the three varieties for 25c.



*Lobelia Erinus Pumila Magenta Queen.*

## Snapdragon Queen Victoria

(*Antirrhinum majus grandiflorum*)



*Snapdragon, Queen Victoria.*

Originating from that favorite variety "The Bride," this splendid new Snapdragon combines the elegant finely-cut foliage characteristic of the latter sort with unusually large flowers of a brilliant white. The latter are borne in great profusion on long and graceful flower-stalks and thus not only does this fine new variety produce a grand effect in the open ground, but it also furnishes splendid material for the making up of bouquets. Per pkt. 25c., 5 pkts. \$1.00.



## DAHLIA SEED

### Pointed Petaled Cactus Mixed

The seed we are offering of this mixture has been saved by one of the best growers in Europe, and contains seeds from all of the very finest strains, as well as a good many unnamed seedlings. Price per pkt. 25c., per 5 pkts. \$1.00.

### New Dahlia 20th Century

This plant is a strong, vigorous grower, with fine, fern-like foliage, upright branch habit, an early and extremely profuse bloomer. The flowers are very large, being from four to six and one-half inches in diameter, of fine substance, keeping a long time after being cut, and of excellent quality. The color is a bright carmine-pink on a white ground with white tips, shaded much darker on the first flowers, but later in the season becoming a beautiful soft pink, the white and pink blending in perfect harmony. The flowers are perfect in form and are borne on long stems well supplied with buds and foliage. Will flower the first season from seed. Per pkt. 25c., 5 pkts. \$1.00.



*Dahlia.*



*Phlox, Large-Flowering.*

## PHLOX DRUMMONDI

### Large-Flowering Varieties

Not only is our strain notable for variety and brilliancy of color, but also for the perfection and size of flowers; many of the single flowers are so large that they will nearly cover a fifty-cent piece. They are the result of years of careful selecting, and are sure to give the most gratifying results.

### Tall Growing Varieties

	Per Pkt
Large-flowering, white .....	\$0 10
Deep purple .....	10
Scarlet .....	10
Purple striped .....	10
Chamois rose .....	10
Striped scarlet .....	10
Mixed .....	10

Per 1000 seeds 50c.; imported collections, 6 varieties 50c., 12 varieties \$1.00.

### Dwarf or Bedding Varieties

	Per Pkt
Nana Compacta, purple .....	\$0 10
Fireball .....	10
Snowball .....	10
Blue striped .....	10
Chamois rose .....	10
Surprise .....	10
Defiance .....	10
Mixed .....	10

Per 1000 seeds \$1.00; collection 1 pkt. each, 7 varieties as above, 60c.



## S. & W. CO.'S LARGE-FLOWERING STOCK

(Cut-and-Come-Again)

A fine perpetual blooming stock. If sown early it begins blooming in June and continues until frost. Its most valuable feature is that it provides flowers during September and October, when other varieties have faded. It throws out numerous side branches bearing clusters of very double, sweet-scented blossoms, and is excellent for cut flowers.

Stock (Cut-and-Come-Again)	White	Per Pkt.
" " " " " "	Chamois Rose	10c.
" " " " " "	Flery Crimson	10c.
" " " " " "	Light Blue	10c.
" " " " " "	Dark "	10c.
" " " " " "	Sulphur Yellow	10c.
" " " " " "	Dark Brown	10c.
" " " " " "	Mixed	10c.
Per 500 seeds		\$1.00
Collection 1 pkt. each 7 varieties		60c.

### Allen's Defiance Mignonette

This gorgeous Mignonette has qualities heretofore unknown in large-flowering varieties, being deliciously fragrant.

When grown under favorable conditions and with proper care, its spikes will be from 12 to 15 inches long. The individual florets are of remarkable size and stand out boldly, forming a graceful as well as compact spike. Its remarkable strength is accompanied by extraordinary keeping qualities; the spikes have been kept in a vase three weeks after cutting, retaining their grace and fragrance until every bud opens. Per pkt. 10c., 250 seeds 50c.



*New Large-Flowering Scotch Border Pinks.*



*Stock, Cut-and-Come-Again.*

## NEW LARGE-FLOWERING SCOTCH BORDER PINKS

These are great improvements over the charming favorites of old-fashioned gardens. The flowers are larger than the old sort—very double, beautifully fringed, have a great variety of colors and markings, emit a grateful clover-like perfume, and are borne on short, stiff stems, making the plant, when in full bloom, about one foot high. The erect habit and dense foliage prevent the flowers from being splashed with mud, which so disfigured the long-stemmed nodding flowers of the old pinks in wet weather. They are excellent perennial plants, vigorous, very hardy, and bloom profusely during spring and early summer. Per pkt. 25c., per 200 seeds \$1.00.



# GENERAL FLOWER SEEDS

LIST OF

*Abutilon.*

**ABRONIA.** Verbena-like plants, very fragrant, especially toward evening. Charming trailers for vases, rockwork, etc. Half-hardy annual.

**Umbellatum**, rosy pink, height,  $\frac{3}{4}$  ft. Pkt. 5c.

**Arenaria**, lemon yellow, height,  $\frac{3}{4}$  ft. Pkt. 5c.

**ABRUS PRECATORIUS** (Prayer Bean, Crab's Eye). Chiefly remarkable for its small egg-shaped seeds, which are of a brilliant scarlet color, with a black mark. These seeds are used for necklaces and other ornamental purposes. Pkt. 10c.

**ABUTILON.** Large bell-like flowers, various colors; strong growers, flowering continually, suitable for house in winter and garden in summer. Tender perennial.

**New Mixed Hybrids.** Per pkt. 10c.

**ACACIA.** Decorative greenhouse shrubs with elegant foliage; flowers yellow, white or red, 3 to 6 ft. Perennial.

**Mixed Varieties.** Per pkt. 5c.

**ACROCLINIUM** (Everlasting). Very graceful plants, much used for winter bouquets. The flower heads should be gathered when young, if to be preserved. Half-hardy annual.

**Rose**, white or mixed, 1 ft. Per pkt. 5c. **Double**, rose, white or mixed, 1 ft. Per pkt. 5c.

**ADLUMIA** (Mountain Fringe). Charming climber, beautiful feathery foliage, rose-colored flowers. Hardy biennial.

**Cirrhusa**, 15 ft. Per pkt. 10c.

**ADONIS.** Very popular border plant of easy culture, showy and free bloomers. Hardy annual.

**Aestivalis** (Flos Adonis). Crimson, 1 ft. Per pkt. 5c.

**Vernalis** (Hardy Yellow Adonis). Produces large yellow flowers in early spring,  $\frac{3}{4}$  ft. Per pkt. 5c.

**AGAPANTHUS UMBELLATUS** (African Lily). A beautiful tuberous-rooted plant. Blue flowers; tender perennial. Per pkt. 10c.

**ALONSOA** (Grandiflora). Bright little annuals of fine habit; requires some protection in cold weather. Sow in hotbed, and plant out early in May. Per pkt. 5c.

**AGROSTEMMA.** Showy flowers of various colors, borne freely; fine for beds. Hardy perennials,  $1\frac{1}{2}$  ft.

**Mixed.** Per oz. 40c., pkt. 5c.

**ARCTOTIS GRANDIS.** Remarkably handsome new annual from Southwest Africa, growing luxuriantly in our climate and forming profusely branched bushes of about 2 to  $2\frac{1}{2}$  feet in height and breadth. Leaves are soft and whitish on both surfaces. Its flower heads, borne on long stems and rising well above the foliage, are large and showy, from  $2\frac{1}{4}$  to 3 inches across. Per pkt. 10c.

*Dwarf Ageratum*

## AGERATUM.

This indispensable plant keeps up a constant succession of bloom from early summertill frost. Fine for bedding. Annuals.

### Tom Thumb.

Blue,  $\frac{3}{4}$  foot. Per oz. 60c., pkt. 5c.

White, conspicuous. Per pkt. 5c.

Princess Pauline, sky-blue flowers, white centers, 8 inches. Per pkt. 10c.

Little Dorrit, compact, 6 inches, blue. Per pkt. 5c.

Little Dorrit, white. Per pkt. 5c.

**Mixed Varieties.** Per oz. 60c., pkt. 5c.

*Acroclinium.*



*Sweet Alyssum.*

**ANTIRRHINUM.** This is a great favorite, of the easiest culture, unsurpassed for summer or fall flowering. Splendid for bedding and edgings. Hardy annual.

**Queen Victoria.** This splendid new snapdragon combines the elegant fine cut foliage characteristic of the improved varieties, with unusually large flowers of a brilliant white. A very handsome variety. Per pkt. 25c.

	Per pkt.
<b>Dwarf White</b> , striped purple yellow or scarlet	\$0 05
<b>Tall Grandiflorum album</b> , pure white . . . .	10
" " Brilliant scarlet, golden and white . . . . .	10
" " <b>Striatum</b> , fine striped varieties . . . . .	10
" " <b>Crescia</b> , fine deep scarlet	10
" " Yellow and orange . . . .	10
" " Striped Red . . . . .	10
" " Mixed . . . . Per oz. \$1.00	10
<b>Tall Mixed</b> . . . . . " 50	05
<b>Dwarf Mixed</b> , 1 foot . . . . . " 50	05

**AQUILEGIA** (Columbine). The Aquilegias are fine, free flowering, hardy border plants. No garden should be without them. Hardy perennials.

**Double Mixed.** Per oz. 50c, pkt. 5c.

**Single Mixed.** Per oz. 50c., pkt. 5c.

**ANEMONE.** Very beautiful spring flowers. Hardy Perennials.

	Per pkt.
<b>Chinensis</b> , fine mixed, 1 foot . . . . .	\$0 05
<b>St. Brigid</b> , large handsome flowers, mostly semi-double	10
<b>Japonica Honorable Jobert</b> , giant white . . . . .	10
" <b>Elegans Rose</b> . . . . .	10
" <b>Queen Charlotte</b> , new cream rose, very fine .	20
Collection, 1 pkt. each, 5 varieties, 50c.	

**ARISTOLOCHIA** (Dutchman's Pipe). A very attractive and highly ornamental climber, with flowers resembling the Pitcher plant. Hardy perennial.

**Sipho.** Per pkt. 10c.

**ALYSSUM.** These favorites are easily cultivated, either in the garden, window boxes, or vases, etc. Also well adapted for ribbon gardening. Hardy annuals.

	Per oz.	Per pkt.
<b>Sweet Alyssum</b> , white, 1 foot . . . .	\$0 25	\$0 05
" " (Little Gem), one of the finest plants for edging or ribbon work .	50	05
<b>Saxatile Compacta</b> , hardy, dwarf, golden yellow . . . . .	60	05
<b>White Carpet</b> (compactum procumbens), pure white, grows only two or three inches high and flowers profusely . . .	1 00	10

**AMARANTHUS.** Fine ornamental leaved foliage plants, invaluable for bedding, their foliage running into scarlet, crimson, yellow, variegated, etc. Hardy annual.

	Per oz.	Per pkt.
<b>Candatus</b> (Love-Lies-Bleeding) . .	30c.	5c.
<b>Tricolor</b> (Joseph's Coat) . . . . .	30c.	5c.
" Firebrand (Superbus) . .	30c.	5c.
" Henderii . . . . .	30c.	5c.
" Salicifolius . . . . .	30c.	5c.
" Mixed . . . . .	30c.	5c.

**AMPELOPSIS VEITCHII** (Boston or Japan Ivy). Valuable, hardy and perennial climber, clinging to the walls of wood, brick or stone, foliage dense, of glossy green, changing to red and yellow in the autumn. Per pkt. 10c, oz. 30c.

**ANGELONIA.** Beautiful for pot culture, with spikes of sweet-scented blue flowers; large flowering. Per pkt. 5c.

**ANAGALLIS.** Free blooming bedding plants.  
**Grandiflora Mixed.** Per pkt. 5c.

**ASPERULA.** Free bloomer and sweet scented. Chief ingredient of the Maitrank. Per pkt. 10c.

*Anemone.*



# ASTERS

(*Callistephus*.)

These are among the prettiest annuals in their season, blooming profusely, and producing, in great profusion of color, flowers of the most perfect and beautiful form. Asters can be grown very nicely in pots for early blooming and also for early winter use; half-hardy annuals.



## TRUFFAUT'S PERFECTION ASTERS

A very popular class. Very large flowers, almost round, with incurved petals; 2 feet.

White, fiery scarlet, blood red, rose, crimson, light blue, dark blue, mixed. Per pkt. 10c. Imported collections, 6 varieties, 50c.; 12 varieties, \$1.00; per 1000 seeds, \$1.00.

## DAYBREAK ASTER

A most beautiful bushy, branching Aster, growing about 2 feet high, with large double flowers composed of incurved petals, almost as regularly placed as in a Dahlia. The coloring is an exquisite tint of rosy shell pink, the flowers are borne upright on stiff, long stems, and the plants in bloom are charming beyond description, and for cutting purposes there is not a finer Aster grown. Per pkt. 10c., 1000 seeds \$1.00.

## GIANT OSTRICH FEATHER ASTER

Immense flowers, 6 inches across, resembling the Giant Comet, but the petals longer, narrower and more curled; very graceful.

White or pink. Per pkt. 10c., 1000 seeds \$1.00.

## GIANT COMET ASTERS

Flowers of immense size, often 6 inches across, composed of long, wavy, twisted petals, gracefully formed into loose, yet densely double half globes. Each plant bears 15 to 20 flowers on very long stems, making them especially valuable for cutting.

Light blue, dark blue, light rose, white, scarlet, crimson, mixed. Per pkt. 10c., 1000 seeds \$1.00. Imported collections, 6 varieties, 50c.; 12 varieties, \$1.00.

## WASHINGTON ASTERS

Produce large flowers of perfect form. Height, 2 feet.

Tinted rose, carmine, scarlet, light blue, white, mixed. Per pkt. 10c., 1000 seeds \$1.00.

## CHRYSANTHEMUM FLOWERED ASTER

Finest of all dwarf varieties. Flowers are produced in immense clusters of 20 to 30 to a plant, and are very full and double.

White, height 10 inches, fiery scarlet, light blue, brilliant rose, dark blue, mixed. Per pkt. 5c. Imported collections 6 varieties, 25c.; 12 varieties, 50c.; 1000 seeds 50c.

## NEW DWARF COMET ASTER EMPRESS FREDERICK

A pure white Dwarf Comet Aster, flowers measuring 4 to 5 inches in diameter. For complete description see Novelties. Per pkt. 25c., 5 pkts \$1.00.

## CHRISTMAS TREE ASTER

Distinct early blooming race of peculiar habit, branching out horizontally in the shape of a fir tree. It grows about 1½ feet high, and the lower branches have a spread of 2 feet. The flowers are globe-shaped, often 80 to 100 appearing on one plant. Mixed colors. Per pkt. 10c., 500 seeds \$1.00.

## SEMPLE'S GIANT LATE-FLOWERING ASTERS

A handsome strain of late-flowering Asters. Superior to all other sorts of this class, lengthening the Aster season until frost. The flowers are very large, measuring 4 inches in diameter, of purest colors, and are borne on long stems. They begin to bloom in August.

Pure white, lavender, dark purple, shell pink, bright crimson, bright rose, mixed. Per pkt. 10c., ½ oz. \$1.00, oz. \$2.00. Collections 6 varieties, Semple's Aster, 50c.

## QUEEN OF THE MARKET ASTER

Fully three weeks earlier in blooming than any other Asters. Flowers large and of fine form. Height, 1½ ft.

White, crimson, dark blue, rose, azure blue, light blue, lilac red, flesh color. Per pkt. 5c., 1000 seeds 50c. Imported collections, 6 varieties, 25c.



Queen of the Market Aster.

## VICTORIA ASTERS

One of the handsomest varieties, both in size and color. They bloom profusely, and the colors include many extremely delicate and some bright colors.

White, fiery scarlet, deep purple, light blue, deep rose, apple blossom, mixed. Per pkt. 10c., mixed 5c., 1000 seeds \$1.00. Imported collections, 6 varieties, 25c.; 12 varieties, 50c.



**LADY ASTER**

Distinct by its graceful habit and light green ensiform foliage. Of unapproached freedom of blooming, from 40 to 70 buds, borne on slender stems, being successively produced by one plant, mixed colors. Per pkt. 10c., 1000 seeds \$1.00. Collection, 3 varieties, 25c.

*Lady Aster.***TRIUMPH ASTERS**

Beautiful dwarf Asters, 7 to 8 in. high, bearing 30 to 40 flowers from  $2\frac{1}{4}$  to 3 in. across, of faultless form and exquisite beauty.

Very fine for bedding or pots.

Dark scarlet, white, dark violet or mixed. Per pkt. 10c.

**QUEEN OF THE EARLIES**

The earliest of all Asters. Plants dwarf, bloom freely, the flowers being borne on long stems. Fine for cut flowers. Pure white. Per pkt. 10c.

**JAPANESE TASSEL ASTER**

Immense flowers 5 to 6 in. across, with long, narrow, curly petals, giving the appearance of disheveled Japanese Chrysanthemums; plants vigorous and free-flowering about 15 in. high.

Mixed colors. Per pkt. 5c., 500 seeds 25c.

**ORNAMENTAL ASPARAGUS.**

**Plumosus Nanus.** A greenhouse perennial climber, with graceful and feathery lace-like foliage. Per pkt. 15c., 100 seeds \$2.00.

**Sprengeri.** Per pkt. 10c., 100 seeds \$1.00.

**BARTONIA AUREA** (Golden Bartonia). One of the showiest and brightest of garden flowers; large golden blossoms borne in great profusion all summer. 1 ft. Per pkt. 5c.

*Asparagus Plumosus Nanus.*

**BALSAM** (Lady's Slipper). The well-known Balsams, or Lady's Slipper, are among the finest summer-blooming annuals, free bloomers and highly colored. By transplanting them once the flowers are apt to be more double. Half-hardy annual. Height, 2 ft.

**Camellia-flower**, white, per oz. \$1.00 per pkt. 10c.

" " mixed, " 1.00 " 10c.

**Finest Double**, " " .50 " 5c.

**Imported Collections**, 6 vars., 25c.; 12 vars., 50c.

*Balsam.*

**BRACHYCOME** (Swan River Daisy). A charming dwarf plant of easy culture, covered with a beautiful mass of Cineraria-like flowers. Half-hardy annual.

**Iberidifolia**, blue and white,  $\frac{1}{2}$  ft. Per pkt. 5c.

**BALLOON VINE** (Cardiospermum). Remarkably rapid climber; very curious. Half-hardy annual.

**Malicacabum.** Per oz. 20c., pkt. 5c.

**Balsam Apple, or Pear.** (See Momordica.)





Double Daisy.

**BELLIS** (Double Daisy).

The poet's favorite and one of the most charming spring flowers. Hardy perennial,  $\frac{1}{2}$  foot.

**Double White.** Per pkt. 10c.

**Longfellow.** Large, double pink. Per pkt. 10c.

**Snowball.** Largest double white. Per pkt. 10c.

**Double Mixed.** Per pkt. 10c.

**Maxima.** Large, double red. Per pkt. 10c.

**BROWALLIA.**

Handsome annuals, with blue or white flowers completely studding the bushy plants during the whole summer.  $1\frac{1}{2}$  feet.

**Blue.** Per pkt. 10c.

**White.** Per pkt. 10c.

**Roezli** (fine for pots). Per pkt. 25c.

**Nana Compacta.** Blue. Very dwarf and compact. Per pkt. 10c.

**Speciosa Major.** Individual flowers are fully 1 inch across, of rich indigo blue; 1 foot high; bushy. Per pkt. 10c.

**Jamesoni.** Large orange. Per pkt. 10c.

**Mixed Colors.** Per pkt. 5c.



Coreopsis.

**BEGONIA.** For the greenhouse, parlor or garden. The graceful pendulous flowers of this beautiful class render them most desirable; but with added beauty in their glossy waxen foliage, they are simply superb. They are of easy culture and exceedingly useful. Half-hardy perennials. 1 foot.

**Tuberous Rooted,** single mixed. Per pkt. 10c.

**Tuberous Rooted,** double mixed. Per pkt. 15c.

**Vernon.** Superb variety; flowers brilliant rich red, which are set off perfectly by the abundant glossy green leaves, broadly margined with bronze and purple. Extremely hardy and floriferous. Seed sown in spring will produce blooming plants early in the summer. Per pkt. 10c.

**Schmidtii,** white, very floriferous. Per pkt. 25c.

**Non Plus Ultra.** Per pkt. 10c.

**Semperflorens fol. aureus.** Per pkt. 10c. Mixed. Per pkt. 10c.

**CACALIA** ("Tassel Flowers," "Flora's Paint Brush," etc.). Very pretty summer-flowering garden plants. Prized for cutting.  $1\frac{1}{2}$  feet. Annual.

**Coccinea** (Scarlet Tassel Flower). Per pkt. 10c.

**Lutea,** yellow. Per pkt. 10c. **Mixed Colors.** Per pkt. 5c.

**CALENDULA** (Pot Marigold). Very showy, free-flowering plants; very effective in beds or mixed borders. Hardy annuals.

**Meteor.** Double yellow, striped with orange. Per pkt. 5c., oz. 25c.

**Prince of Orange.** Similar to Meteor, but much darker. Per pkt. 5c., oz. 25c.

**Sulphurea fl. pl.** Per pkt. 5c., oz. 40c.

**Nankeen.** Colored (Le Proust.) Per pkt. 5c.

**Regalis fl. pl.** Very double, deep orange. Per pkt. 5c.

**CALCEOLARIA.** Magnificent greenhouse plants, with large pocket-shaped flowers, which are borne in the greatest profusion in the spring.  $1\frac{1}{2}$  ft.

**James' Giant Strain.** Per pkt. 25c.

**Carter's Prize Strain.** Per pkt. 25c.

**Ruposa.** Shrubby, for bedding. Per pkt. 25c.

**Hybrida Mixed.** Per pkt. 50c.

**CALLIOPSIS** (Coreopsis).

This genus embraces a very useful and brilliant class of hardy annuals. The flowers are of every shade of yellow, orange and reddish brown; useful for bed.

**Drummond, or Golden Wave.** Uniform orange yellow, extra fine. 1 ft. Per pkt. 5c.

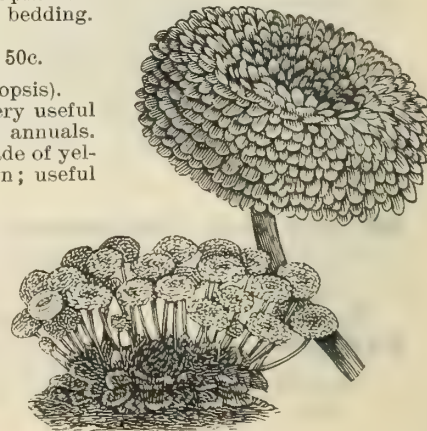
**Tinctoria Marmorata.** Marbled yellow and brown. 2 ft. Per pkt. 5c., oz. 30c.

**Coronata.** Rich yellow, slightly spotted with red. Per pkt. 5c.

**Mixed.** Per pkt. 5c.



Tuberous Rooted Begonia.



Calendula, Meteor.







**CASTOR OIL PLANT** (*Ricinus*). The *Ricinus* are tall, stately-growing plants of tropical appearance; their luxuriant foliage renders them exceedingly ornamental. They are free-growing, tender annuals of easy cultivation. Half hardy annuals. Per pkt.

<i>Africanus</i> , very large green foliage	\$0 05
<i>Zanzibarensis</i> , New Giant Castor Oil Plant from Africa	10
<i>Borboniensis arboreus</i> , large and handsome green foliage, 15 feet	05
<i>Communis</i> (Castor Oil Plant), green foliage, 6 feet	05
<i>Gibsonii</i> , dark, purplish red foliage, 6 feet	05
<i>Cambogiensis</i> , leaves bronzy maroon, with red veins, stems black	05
<i>Duchess of Edinburgh</i> , dark red foliage, 6 feet	05
<i>Gibsonii Marabilis</i> , dwarf, compact, very fine	05
<i>Sanguineus</i> , tricolor, red spotted, fruit in clusters, red foliage, 10 feet	05
Mixed	Per lb. \$1.00, oz. 15c. 05

**CENTAUREA**. Showy, free-flowering, silver foliage plants, useful for ribbon gardening, 1½ feet. Half hardy perennials.

*Candidissima*, very desirable silvery variety for bedding. Per pkt. 10c.  
*Gymnocarpa*, a graceful, silvery variety, valuable for borders. Per pkt. 10c., oz. 75c.

### CENTAUREA ODORATA.

	Per pkt.
<i>Margaritae</i> , pure white	\$0 10
Light Blue	10
Chameleon, red and yellow	10
Imperialis, fine mixed	10



*Centaurea.*

### CENTAUREA SUAVEOLENS.

*Mammoth Yellow Sweet Sultan* . . . . . Per pkt. \$0 05

**CENTAUREA CYANUS—Corn Flower** (Ragged Sailor or Blue Bottle.) A very popular and easily cultivated flower. Hardy annual.

*Emperor William*, blue . . . . . 05

*Victoria*, a charming, diminutive variety, forms little bushes, only 8 inches high; pretty for edgings or pots; mixed colors . . . . . 10

**King of Blues.** A greatly improved type of "Cornflower or Blue Bottle," producing large heads of rich blue flowers. The individual florets are of unusual size. For cutting purposes as well as for garden decoration, it is of exceptional value. It is a hardy herbaceous plant, about 15 to 18 inches high. . . . . 10

*Finest Mixed* . . . . . Per oz. 25c. 05

*Double* " . . . . . 10

### CENTAUREA MOSCHATA.

*Sweet Sultan*, the old garden favorite; blue, white or mixed . . . . . 05

**CENTRANTHUS.** Very pretty, free-flowering annuals, suitable for rockeries and vases.

*Mixed colors* . . . . . 05

**CENTROSEMA, or BUTTERFLY PEA.** A hardy perennial vine of exquisite beauty. The plants grow 7 to 8 feet in a season, and the first season from seed will produce graceful clusters of 6 to 8 inverted pea-shaped flowers, 1½ to 2½ inches across.

*Mixed* . . . . . Per pkt. 10c.

**CHRYSANTHEMUMS** (Annual Varieties). Summer-blooming annual plants of compact growth, 12 to 18 inches high, producing quantities of large single and double flowers 2 inches across.

*Single annual varieties, mixed* . . . . . Per pkt. 5c.

*Double* " " " " " 5c.

*Veitch's Choicest Hybrids, mixed* " " 25c.

**CINERARIA.** Magnificent and indispensable flowering plants for spring decoration for the conservatory or window garden. The flowers, measuring 2 to 3 inches across, are of white, blue, violet and crimson shades, covering the plant with a sheet of bloom.

*James' Giant Strain, mixed* . . . . . Per pkt. \$0 25

*Hybrida Grandiflora*, " . . . . . 25

" " white . . . . . 25

" " Flesh variety . . . . . 25

" " Rich Crimson . . . . . 25

" " Rose variety . . . . . 25

" " New blood red . . . . . 25

Collection, 1 pkt. each, 6 varieties, \$1.25.

The preceding very large-flowered strains are unsurpassed for richness of color and perfection of form.



*Ricinus.*



*Cineraria.*





Clarkia.

**COBAEA.** A fine, quick-growing, climbing plant, bearing large bell-shaped flowers. Hardy annual.

*Scandens*, deep violet. Per pkt. 5c., oz. 75c.

“ *Alba*, white. Per pkt. 10c.

**COCKSCOMBS** (*Celosia Cristata*). Very popular annuals of the easiest culture, producing large ornamental, comb-like heads; not only are they highly prized for summer flower beds, but they make fine pot plants. (See cut.)

*Japan Crimson*. Huge combs, very much beruffled and cut; very rich deep crimson. Per pkt. 10c.

*Glasgow Prize*. Very dwarf, immense crimson combs. 1 foot. Per pkt. 5c.

*Dwarf Mixed*, many colors. 1 foot. Per pkt. 5c.



Cockscomb, Glasgow Prize

summer-blooming annuals of great beauty, for massing and mixed flower borders; great variety of color, white, purple and crimson predominating. 1 to 2 ft. Per pkt. 5c.

**CIGAR PLANT** (*Cuphea*). With cigar-like shaped flowers, very useful for bedding; free bloomer. Half hardy perennial.

*Platycentra*, scarlet and white. Per pkt. 10c.

**COWSLIP.** A beautiful flowering plant; excellent for filling the beds and borders of the spring flower garden; hardy perennial.  $\frac{3}{4}$  ft.

*Extra Fine Mixed*. Per pkt. 5c.

**CORAL PLANT** (*Erythrina*). A very beautiful greenhouse shrub.

*Rista galli*. Per pkt. 10c.

**CLARKIA.** The Clarkia is an old favorite, very pretty, free-flowering and of easy cultivation. Useful for hanging baskets. Hardy annuals.  $1\frac{1}{2}$  feet.

*Elegans, Mixed*. Per pkt. 5c., oz. 30c.

**CLEMATIS** (*Virgin's Bower*). Beautiful ornamental plants, fine for covering trellises or making a screen. Seeds vegetate only after an interval of several months, when they will grow with tolerable certainty. Hardy perennial. (See cut.)

*Flammula*, white. Per pkt. 10c.

*Jackmanni Varieties*, seed saved from best named varieties. Per pkt. 10c.

**CLIANTHUS.** One of the most beautiful plants grown for either the greenhouse, or border; tender shrubby trailer; succeeds best when treated as an annual; must not be transplanted.

*Dampieri* (Australian Glory Pea). Flowers scarlet, blotched with black. Per pkt. 10c.



Cobaea Scandens.

**Feathered or Ostrich Plumed Cockscombs** (*Celosia Plumosa*). Handsome pyramidal branching plants, 2 to 3 feet high, producing at the summit of each branch long feathery plumes of very graceful effect.

*Crimson Ostrich Plumed* (*Triomphe d'Exposition*). Large feathery crimson plumes. Per pkt. 10c.

*Golden Ostrich Plumed*. Large feathery golden plumes. Per pkt. 10c.

*Mixed Colors*. Ostrich Plumed Celosia, crimson, orange, yellow, rose, etc. Per pkt. 5c.

**COCCINEA INDICA.** A remarkably pretty annual climber; foliage ivy-like, bright and luxuriant; never troubled with insects; small flowers followed by numerous fruits 2 inches long, which turn to brilliant scarlet, spotted with white. 10 feet. Per pkt. 10c.

**COLEUS.** One of the most popular ornamental foliage plants; very decorative and easily grown from seed.

*Extra Fine Mixed*. Per pkt. 25c.

**COLLINSIA.**

*Mixed Colors*. Free-flowering,



Clematis.

*Columbine*. (See *Aquilegia*.)

*Cordylina*. (See *Dracæna*.)

*Coreopsis*. (See *Calliopsis*.)

*Cucumber Wild*. (See *Echinocystis lobata*.)

*Cucumis*. (See *Gourds*.)





Cosmos.

## COSMOS

### MAMMOTH PERFECTION

The flowers are double the size of the old Cosmos; the petals are broader, forming a perfectly round flower. The long stems and feathery foliage lend themselves to graceful arrangements for bouquets. These plants enliven the garden long after more tender plants have succumbed to early frost.

Mammoth White . . . . .	Per pkt.,	10c.
" Pink . . . . .	"	10c.
" Deep Crimson . . . . .	"	10c.
" Mixed . . . . .	Per oz., \$1.00	" 10c.
" Red . . . . .	"	10c.
Cosmos Pink Pearl . . . . .	Per oz.	50c.
" White " . . . . .	"	50c.
" Choice Mixed . . . . .	"	50c.

### GIANT RAINBOW COSMOS

A beautiful new departure in Cosmos. Pink, cream, blush, crimson, red, white, etc., which are again striped, dotted, suffused, zoned, etc., with other exquisite shades and colors. The flowers are very large, and often with frilled and fringed edges. Per pkt. 15c., 500 seeds 50c.

### EARLY FLOWERING COSMOS

This variety comes into flower in July, and continues a mass of bloom until cut down by severe frost, making their successful cultivation possible in the most northerly States and Canada; it is of dwarf, compact growth, growing only 4½ feet high. The flowers are fully as large as in the old type. Mixed. Per pkt. 10c., 500 seeds 50c.

### GIANT FANCY COSMOS

The strain of Cosmos was raised by a specialist and is a very large flowering variety.

Giant Fancy, White, Pink, Red or Mixed. Per pkt. 10c., 500 seeds 25c.

## CONVOLVULUS

(Morning Glory).

These well-known favorites ought to be in every garden. Nothing can be finer for color than a bed of these.

Dwarf Bedding Variety. Mixed. Per pkt. 5c., oz. 20c.  
Tall or Climbing " " " 5c., " 20c.

## Giant Imperial Japanese Morning Glories

A magnificent advance on the old-fashioned Morning Glories. The enormous flowers, exquisite colors and beautiful foliage make them, without doubt, the most beautiful climbers in existence. Per pkt. 10c., oz. 30c.  
Mikado Mammoth Flowering, with mammoth leaves. Per pkt. 10c., oz. 40c.





Cyclamen.

## GIANT PERSIAN CYCLAMEN

Flowers of extraordinary size and of great substance. The leaves are proportionately large and beautifully marked. These are among the most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

	Per pkt.		Per pkt.
Finest mixed . . . . .	15c.	Crimson King . . . . .	20c.
White with red eye . . . . .	20c.	Fine rose . . . . .	20c.
Pure white . . . . .	20c.	" red . . . . .	20c.
Purple King . . . . .	20c.	Per 100 seeds . . . . .	\$1.00

## CYPRESS VINE (Ipomœa Quamoclit)

The most popular of annual climbing plants, with delicate fern-like foliage. Half hardy annual.

	Per oz.	Per pkt.		Per oz.	Per pkt.
Crimson . . . . .	30c.	5c.	Rose . . . . .	30c.	5c.
White . . . . .	30c.	5c.	Mixed . . . . .	30c.	5c.

## COWSLIP

The well-known favorite English Cowslip (*Primula veris*), hardy, flowering early in spring.  $\frac{3}{4}$  foot. Mixed colors. Pkt. 5c.

## CUPHEA MINIATA COMPACTA

Bushy, compact annual, 8 inches high; flowers scarlet, crimson, purple, etc., throughout the season; fine for either bedding or pots. Pkt. 10c.

## DAHLIA

The seed we offer has been saved from a superb collection of the finest named varieties. Half-hardy perennial.

Extra Double, mixed. Per pkt. 10c.

Single Mixed. Per pkt. 10c.

Dahlia, 20th Century Novelty. Pkt. 25c.

## DIANTHUS, or PINKS (Double Annual Varieties)

The family of Pinks is unrivaled for brilliancy and rich variety of color; the plants are bushy of symmetrical form—blooming profusely, until fall, rendering them most satisfactory for summer flower gardens.

Chinensis, fl. pl., mixed colors. Double China or Indian Pink. Pkt. 5c.

Heddewighi, fl. pl., mixed colors. Double Japan Pink, large flowers of many rich and varied colors. Pkt. 5c.

Double Diadem Pink, mixed colors (*Diadematus fl. pl.*). Splendid double flowers of many colors, edged and marbled. Pkt. 5c.

## S. &amp; W. Co.'s Special Mixture of Annual Sorts

A grand collection of these ever popular garden or China pinks. All large flowering varieties, unrivaled for brilliancy and rich variety of color, and bloom in perfect succession during the whole summer and autumn in such numbers as fairly to crowd each other for room. Mixed colors. Per pkt. 10c.

## Hardy Dianthus Pinks

These form low, bushy, tufted plants, above which are produced on long stems the beautiful fringed and fragrant flowers so valued in "old-fashioned" gardens. For permanent beds and borders these pinks are unrivaled.

Plumarius, double mixed. Double-fringed fragrant flowers of white, crimson or purple shades, spotted and variegated. 12 inches high. Pkt. 10c.

Plumarius, single mixed. Large single fragrant flowers of beautiful colors and finely fringed. Pkt. 5c.

Scotch or Florists' Pinks. They are excellent perennial garden plants, about one foot high when in bloom; they are vigorous, very hardy, and flower profusely during spring and early summer; the flowers are very large, very double, beautifully fringed, and emit a grateful clover-like perfume. Mixed colors. Pkt. 25c.

## Delphinium (Annual Varieties)

Dwarf or Tall Rocket, mixed. 2 ft. Oz. 30c., pkt. 5c.

Chinese Mixed. Pkt. 5c.

Nigacinth flowered. Dwarf, mixed; very fine. Per pkt. 5c.

## DATURA

Strong-growing annuals, with very large and showy flowers. Half-hardy annuals. 2 to 3 feet.

Cornucopia. Purple and white. Pkt. 10c.

Fastuosa. Double white, violet or mixed. Pkt. 5c.

Golden Queen. Brilliant golden yellow flowers of enormous size, many of them 10 inches long and produced in great numbers. Pkt. 10c.

## Hyacinth Bean

Giant Crimson. Pkt. 10c., oz. 50c.

Purple, White or Mixed. Per pkt. 5c., oz. 25c.



Scotch Border Pink.

## DELPHINIUM (Perennial Larkspur)

Magnificent border plants, with gorgeous spikes of bloom, varying in shades from the most delicate white to the richest blue. Hardy perennial.

Brunonianum. Beautiful, with blue flowers. Pkt. 5c.

Nudicaule. Fine dwarf scarlet variety.  $1\frac{1}{2}$  feet. Pkt. 5c.

Formosum. Rich dark blue, white center. Pkt. 5c.

Formosum coelestinum. Light blue flowers. Pkt. 5c.

Zall. Flowers of pure sulphur-yellow, branching habit 4 feet. Pkt. 10c.

Branching Larkspur, mixed colors. This splendid class grows two to three feet high and bears long spikes of flowers on long stems, rendering them of exceptional value for cutting purposes. Per pkt. 10c.



*Gaillardia Picta.*

**ESCHSCHOLTZIA** (California Poppies). Profuse blooming plants, of extremely rich and varied color; fine for beds or rockeries. Hardy annual. 1 ft.

<b>Golden West.</b> Beautiful . . . . .	per pkt. 10c.
<b>Bush Eschscholtzia</b> . . . . .	" 10c.
<b>Mandarin</b> . . . . .	" 10c.
<b>Carminea</b> . . . . .	" 10c.

**ECHEVERIA.** Interesting greenhouse succulents, which are used largely for carpet bedding.

<b>Metallica</b> . . . . .	per pkt. 25c.
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**EUPHORBIA HETEROPHYLLA** (Annual Poinsettia, or Mexican Fire Plant). An annual bushy plant, for either garden or pot culture, with highly ornamental leaves, which in summer and autumn become blazed with a fiery scarlet, leaving a tip of green. 3 ft. . . . . per pkt. 10c.

**FERNS.** Greenhouse varieties, mixed. Graceful conservatory or window plants. 6 ins. to 2 ft. . . . . per pkt. 10c.

**FORGET-ME-NOT** (*Myosotis*). All the varieties of these popular plants are very beautiful and general favorites with all; they succeed best in a moist situation. Half-hardy perennial. 1½ ft.

*Myosotis Alpestris.*

**DIGITALIS** (Foxglove). Handsome ornamental plants, of stately growth and varied color. Very showy for backgrounds and borders. Hardy perennials. 5 ft.

**Purpurea.** Mixed. Per pkt. 5c.

**Monstrosa.** Mixed. Long spike of many flowers, surmounted with one enormous flower. Per pkt. 10c.

**DRACAENA.** Ornamental greenhouse plants, with elegant leaves; very rich and desirable.

<b>Australis</b> . . . . .	per pkt. 25c.
<b>Rubra</b> . . . . .	" 25c.
<b>Indivisa Lineata</b> . . . . .	" 10c.
<b>Veitchii</b> . . . . .	" 25c.
<b>Draco</b> . . . . .	" 25c.

**ECHINOCYSTIS** (*Lobata*, Climbing Wild Cucumber). A rapid, luxuriant-growing annual climber, very useful for quick effects, 30 to 50 ft. Per pkt. 5c.

**HELICHRYSUM.** Very showy summer-blooming annuals, of free growth and producing in abundance; flowers large, full and double, in shades of white, yellow, crimson, etc.; not only very handsome as garden plants, but valuable as an "ever-lasting" for winter bouquets. Hardy annuals. 1 to 2 ft.

**Double Mixed, Large Flowering** . . . . . per pkt. 5c.

*Helichrysum.*

<b>Alpestris.</b> Blue . . . . .	per pkt. 5c.
" <b>Victoria.</b> Very large flowers . . . . .	" 10c.
<b>Sylvatica.</b> Pale blue . . . . .	" 10c.
<b>Robusta Grandiflora</b> ( <i>Eliza Fanrobert</i> ). Large-flowering double blooms, remarkably fine . . . . .	" 10c.
<b>Finest Mixed</b> . . . . .	" 5c.

**FOUR O'CLOCKS** (*Mirabilis*). Well-known free-flowering plants. Called Four o'Clocks because they open their blossoms at that hour in the afternoon; also called Marvel of Peru. Hardy annuals. 2 ft. **Fine Mixed** . . . . . per pkt. 5c., oz. 20c.

**GAILLARDIA.** A striking-looking class of plants, presenting quite a diversity of color; fine for bedding. Half-hardy perennials. 2 ft.

<b>Picta Lorenziana.</b> Double orange and yellow flowers, mixed colors. Per pkt. 5c., oz. 50c.	<b>Mixed.</b> Per pkt. 5c., oz. 40c.
<b>Amblyodon.</b> Rich blood red, single . . . . .	per pkt. 5c.
<b>Alba rosea.</b> " red and white, single . . . . .	" 5c.
<b>Aurea.</b> " yellow, single . . . . .	" 5c.
<b>Sulphurea.</b> " " double . . . . .	" 5c.
<b>Rubra.</b> " red " . . . . .	" 5c.

Large flowering hardy, mixed, double. Per pkt. 5c., oz. 50c.



**FUCHSIA**

Choice double and single of this well-known elegant tender pot plant. Mixed colors. Per pkt. 25c.

**GLOXINIA**

Most charming greenhouse plants, of dwarf habit. Their flowers are produced in greatest profusion and of the most exquisite and gorgeous colors, many of which are magnificently mottled and spotted. Mixed colors. Per pkt. 25c.

**GERANIUM**

Gorgeous shades of color, borne continuously, render this the most popular plant grown, either for pot culture in winter or for bedding out in summer. Sown early, they flower the first season. 1½ feet.

**Finest Varieties.** Mixed. Per pkt. 25c.

**GLOBE AMARANTH**

(Bachelor's Button)

Remarkably handsome everlastings. Hardy annuals. One foot. Orange, purple, white, striped, lilac, flesh, all colors, mixed. Per pkt. 5c.

**GODETIA**

Profuse blooming annuals of beautiful colors. Fine for bedding or pot culture. Hardy annuals. 1 foot.

**Mixed.** Per pkt. 5c.

**GOURDS**

A vigorous class of plants, with curiously formed and often strangely colored fruits. The foliage is abundant, often curious. They are very useful for covering old trees, fences, arbors, etc. Tender annuals.

<b>Mock Orange</b> . . . per pkt. 5c.	<b>Dipper Gourds</b> . . . " 5c.
<b>Apple-shaped</b> . . . " 5c.	<b>Mixed, all sorts</b> . . . " 5c.
<b>Dish Cloth, or Chinese Luffa</b> . . . " 5c.	<b>Hercules Club</b> . . . " 5c.



*Godetia.*

**GYPSOPHILA**

Pretty, free-flowering little plant. Will do well in any garden soil. The flowers are valuable for bouquet making, either fresh or dried. Hardy annuals.

**Paniculata.** A very graceful plant, with beautiful white flowers; fine for table bouquets. 1½ feet. Per pkt. 5c.

**GREVILLEA ROBUSTA**

**Silk Oak.** Very graceful foliage; highly valued as a decorative plant for the table, and when large for tropical lawn effects. 3 to 5 feet. Per pkt. 10c.

**HELIOTROPE**

Deliciously fragrant flowering plants: growing about one to two feet high; great favorites for pot culture in the winter or bedding out in the summer. Large umbels of lilac or white flowers are continuously borne. Half hardy perennial. 1½ feet.

**Finest mixed.** Per pkt. 5c.

**HOLLYHOCKS**

(Althaea)

Magnificent summer and autumn flowering plants, bearing long spikes of large double flowers, 3 to 4 inches in diameter. If seeds are sown in June or July will produce plants for blooming the following summer. Hardy perennial. 4 feet.

**Double mixed.** Per pkt. 5c.

**Superb Double.** White, yellow, scarlet, purple, or dark rose. Per pkt. 5c.

**ICE PLANT**

(Mesembryanthemum)

Very singular, dwarf trailing plants, much used for garnishing; beautiful and curious. Tender annual. 1 foot. **Crystallinum**, white. Per pkt. 5c.

**IMPATIENS SULTANA**

One of the most beautiful of decorative plants. It thrives in stove, greenhouse and open border during the summer. The flowers are of a brilliant rosy scarlet, 1½ inches in diameter. **Mixed.** Per pkt. 10c.



*Gourds.*

**Charters, finest mixed.** Taken from a collection of named varieties, beautiful colors and all double. Per pkt. 10c.

**S. & W. Co.'s Superb Double.** White, scarlet, purple, dark rose, crimson, yellow, or mixed. Per pkt. 10c., 250 seeds 50c.

**HEUCHERA**

**Sanguinea Splendens.** Beautiful hardy perennials. The foliage is evergreen, flowers fiery coral, shading to brilliant crimson. Borne on graceful spikes. A charming cut flower. Per pkt. 10c.

**HIBISCUS**

**Africanus.** Robust garden annual, large saucer-shaped flowers of creamy yellow, with purple center. 2 feet. Per pkt. 5c.



**IPOMOEA** (Moonflower, Dawn Flower, etc). Beautiful, free-blooming plants, fine for outdoor or greenhouse decorations. The seeds should be soaked two to three hours before planting. Tender annual.

**Grandiflora Mexicana Alba.** (Moonflower). At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 inches in diameter. It grows rapidly and will cover a large surface. Per oz. 75c., pkt. 10c.

**Mixed Grandiflora Hybrida.** "The Moonflower or Evening Glory. One of the finest summer climbers grown. Per pkt. 5c.



*Ipomoea.*

foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it . . . . . per pkt. 5c.

**LANTANA** Rapid-growing plants, forming small bushy shrubs exceedingly free in bloom. Mixed . . . . . per pkt. 5c.

**LARKSPUR** (See Delphinium).

**LATHYRUS LATIFOLIUS** (Hardy Everlasting Pea). Hardy climbers, growing 6 to 8 ft. high when trained on a trellis; the flowers are borne in large clusters. They are peculiarly adapted to rough places, to scramble over rocks and bushes; splendid cut flower.



*Lobelia.*

garden beds, bearing continuously flowers of charming blue, white or rose shades.

**Erinus speciosa.** Bright blue. **Erinus gracilis.** Light blue. **Mixed Erinus Varieties** . . . . . per pkt. 5c.

**HARDY LOBELIAS.** Tall-growing, hardy perennials with long spikes of brilliant flowers; for permanent beds and borders they are unrivalled; they are one of the few flowering plants that thrive in shady situations. 2 to 4 ft. The most brilliant plants in cultivation. Mixed colors, per pkt. 10c. **Cardinalis.** (Cardinal Flower). Long spikes of intense scarlet flowers, per pkt. 10c. **"Rivoirei."** Giant-flowering pink, per pkt. 25c. **"Furst Bismarck."** Giant-flowering crimson, per pkt. 25c.

**Limbata.** Violet, edged white, rose throat. Per pkt. 5c.

**Leari.** "The Blue Dawn Flower." Does wonderfully well outside in the summer, yet is generally known as a greenhouse climber. It is most beautiful, bearing clusters of the most lovely sky blue flowers, fully 5 to 6 inches across. . . . . per pkt. 10c.

**Mixed.** . . . . " 5c.

**HUMULUS JAPONICUS** (Japan Hop).

Rapid summer climber, in three or four weeks' time attaining a height of 20 to 30 ft., resembling the common hop, but, being an annual, attains full perfection the first season. The



*Humulus.*

**Lathyrus Latifolius.** White . . . . . per pkt. 10c.  
" " Delicata. Rosy flesh color . . . . . 10c.  
" " Mixed colors . . . . . 5c.  
" " Red . . . . . 5c.

**LINARIA CYMBALARIA** (Kenilworth Ivy). Hardy little climber, clings to walls, etc., and a valuable trailing plant, for hanging baskets, vases, etc. 3 to 6 ft. . . . . per pkt. 10c.

**LEPTOSIPHON** Very handsome dwarf annuals for masses, beds and edgings; when planted in masses they form entire sheets of bloom. Hardy annuals.  $\frac{3}{4}$  ft. Mixed. Per pkt. 5c., oz. 40c.

**LOBELIA** All the Lobelias are suitable for bed edgings or ribbon borders, blooming profusely from June to September. *L. gracilis* is useful also for hanging baskets, vases, etc. Half hardy perennials.

**COMPACTA VARIETIES.** Little, round, compact plants, 4 to 6 in. high, forming little mounds of bloom, splendid for edging, beds and ribbon-gardening and fine for pots.

**Blue King.** Dark blue, white center . . . . . per pkt. 10c.

**Crystal Palace Compacta.** Dark blue; a popular bedder. . . . . 10c.

**Mixed Compacta Varieties** . . . . . 10c.

**ERINUS VARIETIES.** They produce trailing branches, 6 to 9 in. long. Indispensable for hanging over vases and baskets or



*Lupinus.***LUPINUS**

These are a very interesting class of plants and of easy culture, producing beautiful leaves and pea-shaped flowers, and should be more generally cultivated. Hardy annuals. 2½ feet. **Extra Fine Mixed.** Pkt. 5c., oz. 10c.

**LYCHNIS**

**Haageana Hybrids, Mixed Colors.**

Usually grown as annuals; of dwarf, bushy habit, bearing flowers an inch or more across in continuous succession until frost; the colors are particularly pleasing and effective—from white to rich scarlet and many shades of pink. 1 foot. Pkt. 5c.

**MATRICARIA**

**Capensis** (Double White Feverfew). Bushy annual garden plant, bearing quantities of white, double, button-like flowers. Pkt. 5c.

**Golden Ball**, very fine . . . . . Per pkt. 10c.

**Eximia flore plena corymbosa** . . . . . " 10c.

**Grandiflora**, Double Tom Thumb; very dwarf . . . . . " 10c.

*Nemophila.***MAURANDYA**

These beautiful climbers cannot be too highly recommended, whether for conservatory, greenhouse or for trailing on trellis work. Tender annuals.

**Barclayana, Mixed** . . . . . Per pkt. 5c.

**MIMULUS**

The Mimulus are beautiful tender-looking plants, with almost transparent branches. They luxuriate in damp, shady situations; musk-scented. Tender annual. 1 foot.

**Moschatus** (Musk Plant) . . . . . Per pkt. 5c.

**Splendid Mixed** . . . . . " 5c.

**MOMORDICA**

Balsam Apple and Balsam Pear. Luxuriant annual climbers, with large leaves, making dense shade. The flowers are followed by ornamental, large fruits of orange or copper color, which burst and expose an interior of red, which is highly effective. 15 to 20 feet.

**Balsamina** (Balsam Apple). Orange fruits. Per pkt. 5c.

**Charantia** (Balsam Pear). Coppery scarlet colored fruits. Pkt. 5c.

**Moonflower** (See Ipomæa).

**Morning Glory** (See Convolvulus).

**MIMOSA** (Sensitive Plant)

Very curious annual. The leaves instantly close up when touched. Tender annual. **Pudica.** Per pkt. 5c.

**MUSA ENSETE** (Abyssinian Banana Tree)

A foliage plant of magnificent proportions; for sub-tropical massing or as single specimens they are strikingly effective. Seeds sown early in the house will produce plants 10 to 15 feet high the first season. Per pkt. 25c.

**Musk Plant** (See Mimulus).

**Myosotis** (See Forget-Me-Not).

**NEMOPHILA** (Love Grove)

A genus of exceedingly beautiful dwarf-growing plants. Their height and habit of growing being so uniform, and the colors so varied and striking, they never fail to produce a pleasing effect. Hardy annual. 1 foot. Per pkt. 5c.

**NIGELLA** (Love-in-a-Mist)

Beautiful border plants, with pretty cut foliage and curiously formed flowers. Hardy annuals. 1½ feet.

**Damascena.** Purple or white . . . . . Per pkt. 5c.

**Hispanica.** Blue or white . . . . . " 5c.

**Mixed** . . . . . Per oz. 20c., " 5c.

*Nigella.*



**MARIGOLD** (*Tagetes*)

Among the Marigolds, the African is the most striking in large beds, while the other *Tagetes* varieties are admirably adapted for small beds. They are free-blooming plants of easy cultivation. Hardy annual.

**AFRICAN TALL MARIGOLDS**

Double Mixed . . . . .	per oz. 50c., per pkt. 5c.
Orange Yellow . . . . .	" 5c.
Light Yellow . . . . .	" 5c.
Orange quilled . . . . .	" 5c.
Lemon quilled . . . . .	" 5c.

**FRENCH MARIGOLDS, DWARF**

Finest French Mixed. Tall varieties . . . . .	per pkt., 5c.
Legion of Honor. Dwarf compact, about 15 inches high, with dark green, fern-like leaves, and bright, golden, star-like flowers distributed over the surface. The blooms are of rich golden yellow, with the center of each petal marked broadly with velvety crimson-brown . . . . .	per pkt. 10c.
Lutea. Pure yellow, very double . . . . .	" 5c.
Silver King . . . . .	" 10c.
Dwarf Mixed . . . . .	" 5c.

**SINGLE MARIGOLD**

**Little Brownie.** Charming, forming compact little bushes only 5 to 6 inches high. It is remarkable for blossoming extremely early and in prodigious abundance, commencing in June. The flowers are vividly colored golden yellow, marked with a large spot of crimson velvet. Per pkt. 5c.

**MATHIOLA BICORNIS** ("Night Scented Stock")

An annual garden plant grown for its delicious perfume, which is emitted in the evening and morning, also after a shower. 1 ft. Per pkt. 5c.



*Allen's Defiance Mignonette*



*African Marigold*

**MIGNONETTE** (*Reseda*)

Well-known sweet-scented little plants, everywhere at home, either in the greenhouse, garden or sitting-room. Hardy annual.

**Allen's Defiance Mignonette**

This gorgeous Mignonette has qualities heretofore unknown in large-flowering varieties, being deliciously fragrant.

When grown under favorable conditions and with proper care, its spikes will be from 12 to 15 inches long. The individual florets are of remarkable size and stand out boldly, forming a graceful as well as compact spike. Its remarkable strength is accompanied by extraordinary keeping qualities; the spikes have been kept in a vase three weeks after cutting, retaining their grace and fragrance until every bud opened. Per pkt. 10c.

	Per oz.	Per pkt.
<b>Odorata Grandiflora</b> . . . . .	\$0 25	\$0 05
<b>Improved Large Flowering</b> . . . . .	25	5
<b>Golden Queen.</b> Yellow-tinted flowers . . . . .	25	5
<b>Miles' Spiral.</b> Very fine . . . . .	60	5
<b>Machet.</b> A dwarf French variety, with broad spikes of very fragrant red flowers; one of the best varieties for either garden or pot culture . . . . .	1 00	10
<b>Machet Ruby.</b> A fine new Machet Mignonette with coppery-scarlet flowers . . . . .		10
<b>Machet Bismarck.</b> New imported variety . . . . .		10
<b>Golden Queen.</b> Golden yellow flowers; dense dwarf growth . . . . .	35	5
<b>Odorata Maxima Goliath.</b> Bears very large flowers, the center spikes being often 8 inches long. The plant grows in candelabra form and produces fiery red flowers on firm upright stalks . . . . .		10
<b>Parsons' White.</b> Nearly white . . . . .	75	5



*Nasturtiums.***TALL OR CLIMBING VARIETIES**

Beautiful and luxuriant annual climbers for trellises, arbors or vases, bearing their gorgeous flowers in profusion until killed by frost.

	Per oz.	Per pkt.
<b>Chameleon</b> Splashed crimson, bronze and yellow	\$0 20	\$0 05
<b>Dunnetts Orange.</b> Rich golden-orange, garnet blotches	15	05
<b>Dunnetts Yellow</b>	15	05
<b>Eduard Otto.</b> Brownish	15	05
<b>King Theodore.</b> Velvety dark crimson, dark foliage	15	05
<b>Pearl.</b> Cream white	15	05
<b>Prinz Heinrich.</b> New; cream color. spotted red	15	05
<b>Rose.</b>	15	05
<b>Schulzi.</b> Scarlet	15	05
<b>Von Moltke.</b> Bluish Rose	15	05
<b>Dark Crimson</b>	15	05
<b>Sunlight</b>	Per 4 oz. 75c.	25 10
<b>Moonlight</b>	" 75c.	25 10
<b>Jupiter</b>	" \$1.20	35 10
<b>California Giants Mixed</b>	" 75c.	25 10
<b>Finest Tall Mixed</b>	" 25c.	10 05

Imported collections, 6 varieties, 25c.; 12 varieties 50c.

**NEMOPHILA**

Splendid annuals for garden decoration; bright colored flowers, in shades of blue, white and violet. 1 Foot.

**Finest Mixed.** Per pkt. 5c.

**NICOTIANA**

**Affinis.** An annual with sweet-scented, pure white star-shaped flowers, 3 inches across, blooming continually. 2 to 3 feet high. Pkt. 5c.

**Giant Red Flowered.** Magnificent annual of tropical effect, large luxuriant leaves and immense clusters of rich crimson flowers. 5 feet. Pkt. 5c.

**Collosea.** An imposing foliage plant, 5 to 6 feet; immense leaves, at first rose and violet, afterward changing to deep green, with red nerves. Pkt. 10c.

**Sylvestris.** A superb garden annual of robust, branching habit, about 3 to 4 feet high; the foliage is large and luxuriant, of very dark green; the very long, pendent tubular flowers of pure white are borne in circular clusters on strong spikes way above the foliage. The flowers emit a very delicious perfume. Pkt. 10c.

**NIGELLA, or "LOVE-IN-A-MIST"**

**Damascena, Double Mixed.** Pretty garden annuals with feathery green foliage, in which large, double charming blue or white flowers are set. 1 to 2 ft. high. Pkt. 5c.

**OENOTHERA**

Fine Mixed (Evening Primroses, or Sun Drops). Large showy flowers of various colors; hardy annual. 1 to 2 feet. Per pkt. 5c.

**NASTURTIIUMS****TOM THUMB VARIETIES**

The Dwarf Nasturtiums will always be general favorites, for the reason that they stand any amount of heat and drought, growing vigorously and flowering freely, especially in a poor, rocky soil.

	Per oz.	Per pkt.
<b>Aurora.</b> Salmon Rose	\$0 15	\$0 05
<b>Beauty.</b> Light scarlet, splashed canary	15	05
<b>Brilliant</b> Rich Scarlet	15	05
<b>Chameleon.</b> Splashed crimson, bronze and yellow	20	05
<b>Crystal Palace Gem.</b> Sulphur spotted maroon	15	05
<b>Empress of India.</b> Brilliant crimson; dark foliage	20	05
<b>King Theodore.</b> Scarlet-maroon; dark foliage	15	05
<b>King of Tom Thumb.</b> Crimson	15	05
<b>Lady Bird.</b> Orange-yellow; red spots	15	05
<b>Luteum.</b> Light yellow; no blotches	15	05
<b>Pearl.</b> Pure white	15	05
<b>Crimson</b>	15	05
<b>Ruby King.</b> Light ruby-red	15	05
<b>Mixed.</b> Finest variety	lb. \$1.00	15 05
Imported collection of one pkt. each of 12 of these varieties 50c.		
" " " " " " " " " " " " " "	6	25c.

*Nasturtiums.***OXALIS**

Pretty little half-trailing annuals, for hanging baskets, vases, rockwork and edgings, flowering in profusion, 6 to 9 inches.

<b>Tropaeoloides Rosea</b>	Per pkt. 10c.
<b>Floribunda Alba,</b> fine for edgings	" 10c.
<b>Floribunda Rosea,</b> fine for edgings	" 10c.
<b>Fine Mixed</b>	" 5c.



# PANSY

This charming flower is too well known to need any description. Hardy annual.  $\frac{1}{2}$  foot.

## Famous Strains of Mammoth Mixed Pansies

### S. & W. Co.'s NON PLUS ULTRA

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest, most perfect varieties ever sent out. The beautiful coloring and variety of marking give a bed of these pansies a most brilliant appearance. The seed having been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeaux, and Giant English, French and German strains. Finest mixed, pkt., 15c.;  $\frac{1}{8}$  oz., \$1.50; per oz., \$8.00.

## WORLD'S BEST MIXTURE

This mixture is the result of careful selection, from the very largest and finest pansies, of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Per pkt., 25c.; per 1-16 oz., \$1.50; per  $\frac{1}{8}$  oz., \$2.50.

### S. & W. CO.'S ODIER

Our strain of this magnificent pansy is indeed of a very fine selection, and comprises only the most brilliant colors; each petal has a large brilliant spot.

**Odier, Finest Mixed**, per pkt., 10c.; per  $\frac{1}{8}$  oz., \$1.00.

**Odier, Finest Mixed, on White Ground**, per pkt., 10c.; per  $\frac{1}{8}$  oz., \$1.00.

**Odier, Finest Mixed, on Yellow Ground**, per pkt., 10c.;  $\frac{1}{8}$  oz., \$1.00.

### Bugnot's Large Stained

Mixed colors. A celebrated French strain, extra large, choicest colors, broad blotches and delicate pencilings; ground colors generally light, bringing the elegant markings out in strong relief. Per pkt., 25c.; per 1-16 oz., \$1.00.



*Pansy—World's Best.*



*Pansy—Non Plus Ultra.*

## CASSIER'S LARGE-FLOWERING

In form, color and size this pansy stands alone; the plants are very robust and the flowers are held well above the foliage, and should be grown amongst all other pansies, as they add to the effect on account of their robust habits.

**Cassier's All Colors Mixed**, per pkt., 15c.; per 1-16 oz., \$1.00.

**Cassier's, on White Ground**, per pkt., 15c.; per 1-16 oz., \$1.00.

**Cassier's, on Yellow Ground**, per pkt., 15c.; per 1-16 oz., \$1.00.

## Very Large Flowering Varieties

These are remarkably large Pansies, which, for size of flower and robust growth, eclipse all other strains. Their range of color has heretofore been limited, but this season we are able to offer several grand new varieties.

	Per pkt.	$\frac{1}{8}$ oz.
S. & W. Co.'s Giant Purple.....	\$0.10	\$0.75
Pres. Carnot.....	.10	.75
Rosy Lilac.....	.10	.75
Lord Beaconsfield.....	.10	.75
Kaiser Wilhelm.....	.10	.75
Yellow, black eye.....	.10	.75
Pure Yellow.....	.10	.75
White, dark eye.....	.10	.75
Snow White.....	.10	.75
Light Brown, dark eye.....	.10	.75
Striped.....	.10	.75
Fire King.....	.10	.75
Light Blue, white center.....	.10	.75
Light Blue, very handsome.....	.15	1.00
Orchid Flowering.....	.25	1.50
Madame Perret.....	.15	1.00
Bridesmaid.....	.25	1.50
Mixed.....	.10	.60
All Colors Mixed.....	.05	.25



## PETUNIAS

### S. & W. Co.'s Large-Flowering

The Petunia cannot be equaled by any plant for outdoor decoration. They will flower the first season, even if sown in the open ground, but usually not before June. Those sown in the house or hotbed in April will bloom in June and be larger and finer plants. Half hardy annual. 1½ feet.

This is a strain of incomparable beauty, size and luxuriance. The flowers are of immense size, the fringed varieties exquisitely ruffled and fringed on the edges; but the extreme elegance lies in the great variety of colors, markings, blotching and striping, in the most beautiful combinations.

Large Flowering, single fringed, mixed . . . per pkt, 25c.  
" " double " " " " " 25c.

Inimitable Nana Compacta. Very dwarf, splendid for edging or massing, striped . . . per 1,000 seeds 50c., per pkt. 10c.

Single, Striped and Blotched " " 50c., " 10c.  
Finest Mixed " " 25c., " 5c.

Imported collections 6 varieties 25c., 12 var. 50c.



Single Large-Flowering Petunia

## PHLOX DRUMMONDI

The Phlox Drummondii is one of our best annuals, flowering freely all the summer. For richness of color they cannot be surpassed. They are invaluable for beds and ribbon gardening, therefore no garden should be without them.

### S. & W. Co.'s Selected Large-Flowering Tall Varieties.

		Per 1,000 seeds				Per 1,000 seeds	
Large-Flowering	White	Per pkt.	10c.	Large-Flowering	Chamois Rose	Per pkt.	10c.
"	Deep Purple	10c.	50c.	"	Scarlet Striped	10c.	50c.
"	Scarlet	10c.	50c.	"	Mixed	10c.	50c.
"	Purple Striped	10c.	50c.	Imported Collections, 6 varieties 50c., 12 varieties \$1.00			

### S. & W. Co.'s Selected Large-Flowering Dwarf Varieties

Large-Flowering Dwarf				Per pkt.	Large-Flowering Dwarf				Per pkt.
			Snow Ball . . . . .	10c.			Chamois Rose . . . . .	10c.	
"	"	"	Purple . . . . .	10c.	"	"	Surprise Vermillion, White . . . . .	10c.	
"	"	"	Defiance Brilliant . . . . .	10c.	"	"	Center . . . . .	10c.	
"	"	"	Fireball . . . . .	10c.	"	"	Mixed, per 1,000 seeds \$1.00, 10c.		
"	"	"	Blue Striped . . . . .	10c.	Phlox Drummondii, Mixed . . . . .				per oz. 50c., 5c.

## HARDY PHLOX

Magnificent hardy flowering plants, growing into strong bushes from 2 to 3 feet high, bearing immense heads of large waxy flowers of lovely shades of color.

Large-Flowering Hybrids. Mixed . . . . .	per pkt. 10c.
" " Dwarf. Mixed . . . . .	" 10c.
" " Red Shades. Mixed . . . . .	" 25c.

### GRAF GERO PHLOX

A dwarf, very compact-growing and free-blooming variety. A very free bloomer, with a great variety of colors.

Mixed . . . . . per pkt. 10c.

### STAR PHLOX

Star of Quedlinburg. Flowers are of regular star-like form. Plant of compact habit, about 18 inches high, bearing large umbels of flowers. Colors, varied and beautiful.

Mixed Colors . . . . . per pkt. 10c., per 1,000 seeds 75c.

### PASSION FLOWER

Handsome, rapid growing perennial climber for greenhouse decoration or sunny positions in the open ground in summer.

Coerulea. Large flowers of violet and blue . . . . . per pkt. 10c.  
Alba. Large white flowers . . . . . " 10c.  
Incarnata. Flesh-colored . . . . . " 10c.

One each above 3 packets for 25c.



Passion Flower







## SALVIA

One of our handsomest summer and autumn flowering plants, growing into compact bushes about 3 feet high and literally ablaze with brilliant flowers; very effective for massing on the lawn and for garden decorations. Half-hardy perennial.

**Silverspot** . . . . . Per pkt. 25c.

**Splendens** (Scarlet Sage). Scarlet . . . . . " 5c.

**Bonfire** (*Salvia Splendens Nana Compacta Erecta*). This variety, without question, is the finest *Salvia* for bedding yet introduced. The plants grow into very compact oval bushes, about 2½ feet high and produce long spikes of brilliant scarlet flowers. They stand out stiff and erect; over 200 spikes to a plant is not unusual, and the spikes bear from 20 to 30 flowers each. Gorgeous effects can be produced with the Bonfire *Salvia* massed on the lawn or in the garden, or planted in rows along a sunny drive, where the brilliant scarlet is simply dazzling. Perennial, but blooms the first season from seed. Per pkt. 10c.

**Patens**. Bright blue, the most beautiful blue known in flowers. Per pkt. 15c.

## SCABIOSA, or SWEET SCABIOUS

The Mourning Bride of our old gardens, but much improved in size, colors and doubleness. They are very free bloomers; colors, white, carmine lilac, maroon, etc. They are very effective for garden decoration, and equally valuable for cutting purposes; annuals. 1ft.

**Dwarf, Double, Large-Flowered, Mixed Colors** . . Per pkt. 5c.

**Mixed Double, Tall** . . . . . " 5c.

**Candidissima**. Large pure white . . . . . " 10c.

**Dwarf Double**. Golden yellow . . . . . " 10c.

**Stellata**. Starry . . . . . " 10c.

**Pompadour**. The enormous flower heads are quite round; the florets are black-purple at the top and pure white from the center to the bottom . . . . . Per pkt. 10c.

## SCABIOSA CAUCASICA, LILAC

One of the handsomest of hardy perennials, forming a spreading and dense plant, 2 to 3 feet high, thriving well in ordinary garden soil, and should be grown by every one, if only for the flowers for cutting, as they last a long time in water, and their peculiar soft lilac-blue shade is charming. Per pkt. 10c.

**Caucasica Alba**. White. Per pkt. 10c.

## STOCKS

## DWARF LARGE-FLOWERING DOUBLE TEN WEEKS

These popular flowers are easily grown, and are so highly fragrant and of such great beauty, and have so many good qualities, that they deserve a place in every garden. They should be given good rich soil to grow in, and will amply reward good treatment with remarkably large pyramids of bloom; the flowers represent a great diversity of color. The double Large-Flowering Ten Weeks Stocks are great improvements over the Gilliflowers of the olden times, the flowers being much larger and more densely double, and there is also a much larger variety of colors and shades than there used to be.

## DWARF LARGE-FLOWERING

White . . . . .	Per pkt. 10c.	Canary-Yellow .	Per pkt. 10c.
Carmine-scarlet	" 10c.	Shining purple	" 10c.
Crimson . . . .	" 10c.	Blood-red . . .	" 10c.
Rose . . . . .	" 10c.	Light blue . . .	" 10c.
Finest mixed . .	" 5c.	Lilac . . . . .	" 10c.

Imported collections, 6 varieties 50c., 12 varieties \$1.00.

**Giant Perfection Ten Weeks Stock**. This magnificent strain is without a rival for open-ground planting, attaining a height of 2½ feet. The spikes of bloom are very long, and the individual flowers are enormous in size and very double.

Mixed . . . . . Per pkt. 10c. Pure white . . Per pkt. 10c.

**Snowflake Stock**. A beautiful dwarf-growing variety; very large double white flowers; very early. Per pkt. 10c.

**Cut-and-Come-Again**. The well-known profuse and perpetual-flowering Stocks. White, fiery crimson, chamois rose, light blue, dark blue, sulphur-yellow, dark brown, mixed. Per pkt. 10c. Large-flowering winter Stock, Empress Elizabeth. Per pkt. 10c.



*Salvia Splendens.*



*Giant Perfection Ten Weeks Stock.*



# SWEET PEAS

(*Lathyrus odoratus*.)

Sweet Peas succeed best in a deep, rich soil. The most approved method of cultivation is to sow in a trench 5 or 6 inches deep, covering them at first with only 1 inch of soil; then, as the plants grow, fill in the earth about them 1 inch at a time. After the plants are well grown up, they should be watered copiously, and bone meal, worked into the soils about the roots, is recommended. Proper trellis or other supports should be provided.

The first sowing of Sweet Peas may be made very early in the spring, as soon as the frost is out of the ground. For a succession some should be sown every few weeks afterward. For fall flowering they may be sown as late as July. Then, again, they may be sown late in the fall for very early blooming the following spring, but in that case a dry situation is preferable, and they should be sown 4 or 5 inches deep, and not in the trench method.

PRICES for any of the below-named Sweet Peas, 5c. per packet (of about 100 seeds, enough for a single row 6 feet long); 10c. per ounce 300 to 400 seeds; 25c. per  $\frac{1}{4}$  lb.; 75c. per lb. Delivered free in United States. Our collections containing our own selections of the very finest, handsomest, and most prominent kinds.

25 pkts.,	1 pkt. each of	25 named varieties	\$1.00
12 " "	" " "	" " "	" "
6 " "	" " "	" " "	.25

## CHOICE NAMED VARIETIES

### All Excellent Distinct Sorts

**Alice Eckford.** Rich, cream-tinted cerise standards, white wings; very beautiful.

**America.** Large, bold flower; white, striped with blood-red.

**Apple Blossom.** Bright pink and blush, beautifully shaded.

**Aurora.** Gigantic expanded shell form; both standard and wings are flaked and striped with orange-salmon on white.

**Black Knight.** Extra large flowers, large stems, glossy deep maroon, self-color.

**Blanche Burpee.** Superb, pure white; immense size, perfect form.

**Blanche Ferry.** Large pink and white flowers; very early; free flowering.

**California.** Very light soft pink; a shade lighter than Blushing Beauty.

**Capt. of the Blues.** Bright purple and pale blue.

**Captivation.** Glowing ruby-purple or bright claret; large shell-shaped standard.

**Chancellor.** Bright orange-pink.

**Countess of Cadogan.** Reddish-mauve standard; wings violet-blue.

**Countess of Radnor.** Standards delicate lavender; wings dark mauve; lovely.

**Crown Jewel.** Creamy white, veined with violet-rose.

**Katherine Tracy.** Exquisite bright pink; a large, perfect flower, very profuse; stands our hot sun without fading.

**Lady Nina Balfour.** The most delicate mauve imaginable, beautifully shaded with a charming dove-gray, which gives a most captivating charm to the whole flower.

**Lady Mary Currie.** Fiery orange-pink, wings orange-rose; very bright.

**Lady Grisel Hamilton.** Beautiful silvery lavender.

**Lady Penzance.** Beautiful bright rose; splendid form.

**Little Dorrit.** Pink standards; white wings; beautiful.

**Lottie Eckford.** Rose and white, edged with blue.

**Lottie Hutchins.** Penciled and clouded pink on straw yellow.

**Mars.** Bright fiery crimson, deepening with age; a large, round, expanded standard.



**Duke of Sutherland.** Purplish maroon standard; indigo-blue wings.

**Duke of Westminster.** Standard rosy-maroon; wings violet-purple.

**Earliest of All.** Similar to Blanche Ferry, but of dwarfer habit and blooms ten days earlier. It grows but 3 feet high and needs no brush or trellis.

**Emily Henderson.** Absolutely pure white. Extra large, with broad, round standards that stand up boldly. The plants produce such an abundance of flowers that they appear as if covered with snow.

**Emily Lynch.** Rose-pink, shaded buff; softer in wings.

**Golden Gate.** Pinkish-mauve and lavender.

**Gorgeous.** Brilliant orange-salmon, wings deep rose.

**Gray Friar.** White-clouded, dotted lilac.

**Her Majesty.** Beautiful soft rosy pink; very large flowers.



**Maid of Honor.** Lavender and white, edged blue.

**Modesty.** Very delicate pink; a beautiful flower.

**Mrs. Dugdale.** Carmine-rose, shaded yellow.

**Mrs. Eckford.** A large flower of a charming primrose-yellow; strong grower; profuse.

**Mrs. Joseph Chamberlain.** White ground, striped and shaded with bright rose.

**Mrs. Gladstone.** Delicate soft pink, with rosy blush wings.

**Navy Blue.** Dark indigo blue and violet, the best blue.

**New Countess.** A great improvement on the popular Countess of Radnor, as both standard and wings are a most beautiful, clear, light lavender throughout, self-colored flower.

**Pink Friar.** Flaked and flushed pink on white.

**Prince Edward of York.** Finely expanded standards of a charming shade of scarlet, and large wings of the deepest rose color; one of the most effective.

**Princess of Wales.** White, striped lavender and mauve.

**Queen Victoria.** Cream, tinged rosy apricot; cream wings.

**Ramona.** Large flowers, creamy white, shaded pale pink.

**Royal Rose.** Standards deep carmine rose; wings a charming rosy pink; immense size.

**Sadie Burpee.** Pure white, strong grower, free flowering, and produces its flower on long, stout stems.

**Salopian.** Vivid red, but a darker shade than the scarlet of Firefly. Wings deep red, tinged with rose.

**Senator.** Chocolate and creamy white, mottled and blotched.

**Shahzada.** Rich, dark maroon with a shade of purple, most distinct and attractive.

**Stella Morse.** Primrose, flushed pink; very beautiful.

**The Bride.** Large, pure white flowers; similar to Blanche Burpee, but vines are of dwarfer growth.

**Prices of any of above-named Varieties, 5c. per packet (of about 100 Seeds, enough for a single row 6 feet long); 10c. per ounce (300 to 400 Seeds); 25c. per 1-4 lb.; 75c. per lb. Delivered Free in United States.**

## SWEET PEAS IN MIXTURE

**Our Own "High Grade" Mixed,** comprising the finest Eckford and other new and choice large-flowering varieties. Per oz. 10c.,  $\frac{1}{4}$  lb. 25c.,  $\frac{1}{2}$  lb. 40c., lb. 75c.

**Eckford's Mixed.** Composed of Eckford's varieties only. Per oz. 10c.,  $\frac{1}{4}$  lb. 20c.,  $\frac{1}{2}$  lb. 30c., lb. 50c.

**Standard Mixed.** Per oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 30c.

## DOUBLE SWEET PEAS

**Double Sweet Peas** are of incomparable beauty. The flowers are extra large, frequently measuring over 2 inches across. They have from 2 to 3 standards and frequently 3 wings; these petals are beautifully incurved and frilled. **The flowers of these do not all come double,** but usually 20 to 40 per cent. of double blossoms are produced. Sometimes the flowers on a stem will all come double and sometimes all single, but generally doubles and singles are borne about half-and-half on each stem. In some uncongenial situations they have proved very inconstant, producing no double flowers at all, but in such cases they make up for the deficiency in doubles by producing in greatest profusion large beautiful single flowers.

**Double Boreatton.** Deep maroon.

**Double Bride of Niagara.** Carmine-rose; wings white, tinged pink.

**Double Dorothy Vick.** Scarlet, with crimson wings.

**Double Senator.** Striped indigo and maroon on white.

**Double White.** Pure snow-white.

**Double Stemmed.** Many flowers, white.

**Double Sweet Peas, Mixed Colors.**

Price for any of above Double Sweet Peas, 5c. per pkt., 15c. per oz. Collection of Double Sweet Peas, 1 pkt. each of the above 6 varieties, 25c.

## CUPID SWEET PEAS

Compact, dwarf plants, not over 6 or 7 inches high, covering a circumference of about 18 inches, hugging the ground, with no tendency to either climb or trail. The innumerable short branches form a perfect tuft of green foliage, which soon becomes studded with flowers of good form and substance, and nearly as large as those of the climbing Sweet Peas. For edgings, low beds and for pot culture Cupid Sweet Peas are unique and wonderfully pretty.

**Alice Eckford Cupid.** Creamy-pink standard, wings white, flushed pink.

**America Cupid.** Striped blood-red and white.

**Apple Blossom Cupid.** A charming combination of pink and white.

**Blanche Ferry Cupid.** Standard bright rose-pink.

**Captain of the Blues Cupid.** Bright blue.

**Countess of Radnor Cupid.** Beautiful lavender flowers of large size.

**Pink-Cupid.** Bright pink.

**White-Cupid.** Pure white flowers.

Price for any of the above-named Cupid Sweet Peas, per pkt. 5c., per oz. 15c.

**Cupid Sweet Peas. Mixed Colors,** including many varieties, per pkt. 5c., per oz. 10c., per  $\frac{1}{4}$  lb. 25c., per lb. 85c.

## BUSH SWEET PEAS

Bush Sweet Peas are very attractive if planted as a hedge, allowing about six inches for each plant. They branch freely, and each plant is of **perfect bush form**, until about a foot high; when in full bloom they are 18 to 20 inches high, and a row will still remain self-supporting. The flowers are about two-thirds the size of the Tall Sweet Peas, borne two on a stem; the stems are about six inches long. Cut in connection with some of the foliage, which consists of attractive, narrow, light green leaves, the flowers are excellent for house decoration or bouquets. Their chief beauty, however, is seen when planted in a row, which, when in full bloom, is a **complete mass of flowers**.

**Bush Blanche Burpee.** Pure white.

**Bush Blanche Ferry.** Pink and white.

**Bush Dorothy Tennant.** Rosy heliotrope.

**Bush.** All colors mixed.

**Gray Friar.** Flaked and speckled blue, mauve on white.

**Her Majesty.** Crimson Rose.

**Monarch.** Purple with violet wings.

Price, any of the above varieties, per pkt. 5c., per oz. 15c., per  $\frac{1}{4}$  lb. 50c., per lb. \$1.50.



# SUNFLOWER

## SINGLE VARIETIES

	Pkt.	Oz.
<b>Cut-and-Come-Again.</b> Mixed . . . . .	\$0 10	\$1 00
<b>Cucumerifolius Stella.</b> Improved golden yellow flower with small, black center . . . . .	5	40
“ <b>Orion.</b> New, with crisped petals . . . . .	10	1 00
“ Type flower . . . . .	5	25
“ Hybrid double, new double and semi-double var.; very fine . . . . .	10	1 50
<b>PERKEO.</b> A miniature plant 12 in. high by 18 in. in diameter; flowers 3 in. across, golden, with black eye . . . . .	15	2 00
<b>Diadem.</b> Large-flowering, citron . . . . .	10	1 50
<b>Thousand-Flowered</b> . . . . .	10	1 50
<b>Bismarkianus.</b> Tall, with abundant single, large flowers . . . . .	5	25

## DOUBLE-FLOWERING

<b>Globosus Fistulosus.</b> Double, enormous flowers; very double, best strain . . . . .	5	25
<b>Dwarf Double.</b> Extra fine . . . . .	5	25
<b>Large Russian</b> . . . . .	5	10



*Sunflower, Cut-and-Come-Again.*

## HARDY VARIETIES.

- Missouricus.** Fine double yellow. Per pkt. 15c., oz. \$2.00.  
**Rigidus.** Heavy stiff stem, clear yellow flowers. Per pkt. 25c.

## THUNBERGIA

Ornamental free-blooming climbers of rapid growth, with handsome foliage and much admired flowers. They should be sown in a warm situation. Half-hardy annual.

<b>Alata.</b> Buff, with dark eye . . . . .	per pkt. 5c.
<b>Alba.</b> White, with dark eye . . . . .	“ “ 5c.
<b>Bakeri.</b> Pure white . . . . .	“ “ 5c.
<b>Freyeri.</b> Orange . . . . .	“ “ 5c.
<b>Mixed.</b> . . . . .	Per pkt. 5c., oz. 50c.

## TORENIA

Pretty plants for vases or hanging baskets. Succeed well in the open ground. Tender annual. 1 ft.

**Fournieri.** Porcelain-blue and rich violet; throat bright yellow. Per pkt. 10c.

**White Wings.** Pure white, with rose throat. Per pkt. 10c.



*Torenia Fournieri.*

## SWEET WILLIAM (Dianthus Barbatus)

A well-known free-flowering favorite, unsurpassed for richness and variety of color. Very effective for bedding. Hardy biennial. 1½ feet.

	Pkt.	Oz.
<b>Single.</b> Finest mixed . . . . .	5	35
“ Pure white . . . . .	5	35
“ Dark red . . . . .	5	35
“ Black “ . . . . .	5	50
“ <b>Oculatus</b> Very bright color with eye . . . . .	5	50
“ <b>Marginatus.</b> Bordered with eye . . . . .	5	50
“ <b>Holborn Glory.</b> Extra large flowers; finest shades . . . . .	10	1 00
<b>Double.</b> Finest mixed. . . . .	10	1 50
“ Pure white . . . . .	10	1 50
“ Dark red . . . . .	25	4 00
“ <b>Oculatus Marginatus.</b> Bordered with eye . . . . .	20	3 00



*Double Sweet William.*



## S. & W. CO.'S VERBENAS

We take special pains with our strain of Mammoth Verbenas, continually selecting and keeping it up to the highest point for size of flowers, purity of color, etc. They should be sown early to get nice plants in time for spring.



*Verbena, Mammoth.*

### VINCA

Beautiful. Fine for parlor, greenhouse or garden decoration. Their color can hardly be surpassed. Tender perennial. 1½ feet.

**Alba.** Pure white . . . . . per pkt. 10c.  
**Rosea.** Bright rose . . . . . " 10c.  
**Rosea alba.** White with rosy eye " 10c.  
**Mixed** . . . . . " 10c.

### MAMMOTH FLOWERING ZINNIAS

Well-known favorites, suitable for every garden, blooming most profusely from July to frost. Hardy annual.

**Double** crimson (½ ft.), purple, rose, scarlet, white, yellow, lilac and mixed. Per pkt. 5c., oz. 50c.

Imported collections, 6 varieties, 25c.; 12 varieties, 50c.

**Zinnia Giant-Flowering**, mixed. Per pkt. 10c., oz. \$1.00.

**Curled and Crested Zinnias.** Large double flowers, with petals twisted, curled and crested into the most fantastic and graceful forms. Usual range of colors. Per pkt. 10c.

**Striped or Zebra Zinnias.** Large double flowers of orange, crimson, pink, yellow, white, etc., striped and blotched with different colors. Mixed colors. Per pkt. 10c.

**Nana Compacta Miniature.** Very pretty; fine for edging, being considerably smaller and the plants dwarf and compact. Per pkt. 10c. **Pumila.** Very dwarf and growing very compact. Per pkt. 10c.

**S. & W. Co.'s Mammoth mixed** . . . per pkt. 10c.  
 " **Defiance, red** . . . . . " 10c.  
 " **Dark scarlet shades** . . . " 10c.  
 " **Rose and carmines** . . . " 10c.  
 " **Purple shades** . . . . . " 10c.  
 " **White, very beautiful** . . . " 10c.  
 " **Lemon scented** . . . . . " 10c.  
 " **Mixed** . . . per oz. \$1.00 " 05c.  
 Collection, 5 varieties, 50c.

### SINGLE SWEET VIOLETS

(Double Violets. Do not Seed).

**Large Flowering.** Mixed colors. Hybrids between the sweet violet and the pansy, retaining the delightful violet perfume of the former, with beautiful pansy-like blossoms, 2 to 2½ inches across, of much substance and a variety of beautiful colors, shades, markings, blending, etc. The plants are hardy and vigorous. Per pkt. 10c.

### WALLFLOWER

(Cheiranthus Cheiri).

Well known favorites, much esteemed for their fragrance; they prefer a sunny situation. Tender perennial. 1½ feet.

**Double and Single Mixed.** . . . . . per pkt. 5c.  
**Single Annual Wallflower Novelty.** . . . " 25c.

### WISTARIA

Of luxuriant growth, bearing in the spring immense panicles of purple or white flowers produced in great profusion. 75 feet.

**Wistaria, Chinese.** Blue . . . . . per pkt. 10c.  
 " " White. Fragrant . . . " 10c.



*Zinnia, Large-Flowering.*



## S. &amp; W. CO'S HARDY PERENNIAL FLOWER SEEDS

Pkt. 1-16 oz. ¼ oz. 1 oz.					Pkt. 1-16 oz. ¼ oz. 1 oz.				
Ethionema coridifolium, rose, Charm- ing free-flowering plant.....	\$0	10	\$0	50	Dianthus (or Pinks) plumarius flore pleno, double and semi-double mixed.....	\$0	10	\$0	50 \$1 50
Ethionema grandiflorum, rose, Charming free-flowering plant..	10		50		Dianthus plumarius Scoticus fl. pl., Scotch or Florists' Pinks, from prize flowers.....	25	3	00	
Ethionema persicum, pink. Charm- ing free-flowering plant.....	10		\$0	50	Dianthus plumarius semperflorens, Florists' Perpetual Pinks; hardy class, very fragrant, double, semi-double and single; great diversity of colors.....	25	1	00	3 00
Agrostemma coronaria, red.....	5	15	40	\$1 00	Dianthus plumarius semperflorens rubra, new red varieties.....	25	1	50	5 00
“ atrosanguinea, dark blood red.....	5	15	40	1 00	Eremurus himalaicus. Per 100 seeds, \$2.00; per pkt. 10 seeds.....	25			
Alsinia pinifolia (gracilis), pure white dwarf for edgings.....	10	25	75		Gaillardia grandiflora, splendid mixed varieties.....	10	40	1	00
Alstromeria brasiliensis.....	20	1	00		Helianthus missouriensis. Per 100 seeds, 25c.; per 1000 seeds, \$2.00.				
Alyssum argenteum, yellow-flowered..	5	15	40	1 00	Helianthus ridgus præcox. Per 100 seeds, 50c.; per 1000 seeds, \$4.00.				
“ rostratum, dwarf, yellow, floriferous.....	10	20	50	1 50	Heliopsis Pitcheriana, new, golden yellow, fine for cutting.....	5	20	50	
Anchusa affinis, dwarf, azure blue....	5	10	30	75	Heuchera sanguinea hybrida, many varieties mixed.....	10	40	1	00
“ incarnata, flesh.....	5	10	30	75	Iberis gibraltarica, large lilac flowers shading to white.....	5	15	40	\$1 00
Anemone japonica elegans, rose.....	10	40	1 00	3 00	Iberis jucunda, rose. Per 100 seeds, 25c.; per 1000 seeds, \$2.00.				
“ “ Honorine Jobert, white, splendid.....	10	40	1 00	3 00	Iberis sempervirens, white.....	5	15	40	1 00
Anemone japonica Queen Charlotte, new semi-double cream rose....	20	80	2 00		Lathyrus latifolius, scarlet.....	5	10	15	40
Anemone pulsatilla, violet lilac.....	5	15	40	1 00	“ “ alba white.....	5	10	20	60
Anthemis Kelwayi, yellow.....	5	15	40	1 00	“ “ rosea.....	5	10	15	40
Antirrhinum, tall grandiflorum, sepa- rate colors.....	5	15	40	1 00	Leucanthemum (chrysanthemum), maximum, large white.....	5	15	40	1 00
Antirrhinum, dwarf grandiflorum, separate colors.....	5	15	40	1 00	Leucanthemum uliginosum, large white, for cutting.....	10	40	1 00	3 00
Aquilegia alpina, blue.....	5	15	40	1 00	Linum flavum, yellow, fine.....	10	25	75	2 00
Asclepias incarnata, flesh.....	5	10	30	75	Lobelia cardinalis.....	25			
“ tuberosa, orange, very fine..	10	50	1 50		“ cardinalis atrosanguinea, new, dark blood.....	25			
Aster Alpinus, blue.....	10	40	1 00		Lobelia cardinalis lugdunensis, light rose.....	25			
“ “ alba white.....	10	40	1 00		Lobelia cardinalis Nanseniana, new, crimson purple, semi-dwarf, dark foliage, beautiful.....	25			
“ “ rubra red, new.....	25	2	00		Lobelia cardinalis Queen Victoria, bril- liant scarlet, darkest leaves, extra splendid hybrids, mixed.....	25			
“ “ speciosus, very large.....	10	50	1 50		Lupinus arboreus, yellow tree lupin ..	10		15	50
Bellis perennis delicata, white with red center.....	20	75	2 00		Myosotis palustris, true Marsh Forget- Me-Not.....	20	40	1 00	3 00
Bellis perennis, Longfellow, rose.....	20	75	2 00		Poppy orientale, flowers dark red... “ “ hybrids, mixed.....	25	50	1 50	4 00
“ “ Snowball, white.....	20	75	2 00		“ “ nudicaule, Iceland Poppies, sin- gle, mixed.....	10	15	40	1 00
Bocconia japonica, highly decorative..	5	15	40	1 00	Poppy nudicaule, Iceland Poppies, double, mixed.....	25	50	1 50	4 00
Campanula carpatia, blue.....	5	15	40	1 00	Phlox decussata, from the choicest sorts, extra fine.....	20	40	1 00	3 00
“ “ white.....	5	15	40	1 00	Phlox decussata nana, dwarf variety..	25	50	1 50	4 00
“ “ fragilis, blue, dwarf, very fine.....	25	1	00		“ “ brilliant red sorts....	25	50	1 50	5 00
Campanula macrantha.....	5	15	40	1 00	Primula japonica, purple, white, white with eye, carmine striped, sal- mon, sanguinea, splendida crim- son, or mixed.....	20	1	00	
“ persicifolia, blue, tall....	10	40	1 00		Primula Sieboldii, large flowering, superb. 500 seeds, \$1.00				
“ “ alba, fine.....	10	40	1 00		Primula veris, very fine quality, mixed.....	25	1	00	
“ “ flore pleno, about 50 per cent. true from seed.....	10	50	1 50		Primula veris grandiflora, new giant flowered.....	25	2	00	
Campanula persicifolia flore pleno alba, about 50 per cent. true from seed	10	50	1 50		Pyrethrum atrosanguineum, fine.....	10	25	75	2 00
Campanula persicifolia grandiflora alba (Backhousei).....	20	1 00	2 50		“ roseum grandiflorum.....	25	50	1 50	4 00
Campanula persicifolia grandiflora flore pleno. Splendid novelties, about 50 per cent. true from seed.....	20	75	2 00		“ “ “ semi- double, from a splendid collec- tion.....	25	2	00	
Campanula persicifolia grandiflora flore pleno alba. Splendid novelties, about 50 per cent. true from seed	25	1 00	3 00		Scabiosa caucasica, lilac, splendid... “ “ alba, new, very fine.....	25	1	00	
Coreopsis grandiflora, very large golden yellow flowers, for cut- ting.....	5	15	40	1 00	Scabiosa caucasica, perfecta, fine, large and fringed.....	25			
Coreopsis lanceolata, yellow, very fine	10	20	50	1 50	Sedum aizoon, yellow.....	25	1	00	
Delphinium Barlowi, large dark blue flowers, extra fine.....	25	1 00	1 75		“ Evarsi, rose.....	25	1	00	
Delphinium Brunonianum, blue, musk-scented, quite distinct, per 1,000 seeds \$3.00.									
Delphinium cardinale, scarlet, splen- did.....	25	1 00	2 50						
Delphinium cashmerianum, dark blue, very fine.....	15	40	1 25	4 00					
Delphinium formosum.....	5	15	40	1 00					
“ “ coelestinum, sky- blue, handsome.....	10	50	1 50						
Delphinium flore pleno hybridum, finest mixed.....	20	75	2 00						
Delphinium La Mastadonte, large, dark blue, beautiful, 1000 seeds, \$3.00.									
Delphinium nudicaule, scarlet, dwarf, compact.....	10	40	1 00						
Delphinium zalil, long spikes, yellow flowers.....	25	1 00	2 50						
Dianthus (or Pinks) plumarius cyclops, dark rose, crimson ring.....	25	1 00	2 50						



Group of *Nymphaea Marliacea* Varieties.

## WATER LILIES

The cultivation of Aquatics is of the simplest. Their requirements are sunshine, water and plenty of rich soil. They are divided into two classes, hardy and tender. The former may be planted in ponds or sluggish streams, from early in the spring until August, and, under the same conditions as our native Water Lily, will grow luxuriously and flower profusely the entire season. Provide the same conditions in artificial ponds or tanks, and the results will be equally satisfactory. Plant the tender varieties at the approach of warm weather and when the water is warm. The plants can be grown indoors in pots until safe to transfer to summer quarters. The after-treatment is the same as for the hardy varieties. When grown in tubs only the moderate growers should be selected. In storing in tubs through the winter they should be kept where it is not warm enough to excite growth or so cold as to freeze. We do not, unless specially ordered, send out Water Lilies until the middle of May, but would prefer having the orders early, and we can then set them aside and ship at the proper time.

**James Brydon.** Among the late introductions none are so positively distinct as this superb variety. Flowers 5 to 6 inches in diameter; petals very broad, concave, incurving; color rich rosy crimson, reverse of petals having a silvery sheen; a full, self-colored flower without purplish or magenta shading. \$2.50 each.

**Marliacea rubra-punctata.** Flowers deep rosy purple, spotted carmine, stamens orange-red. A very choice variety and a free, continuous bloomer. \$2.00 each.

**Tuberosa rubra.** Flowers 5 to 7 inches in diameter, and of an exquisite shade of soft rosy red with bright red stamens, and with the same rich fragrance as *N. odorata*. The plant is of vigorous habit. \$1.50 each.

**Wm. Doogue.** A magnificent Lily of chaste and delicate coloring; flowers  $5\frac{1}{2}$  to 6 inches in diameter, beautifully cup-shaped, and of a pleasing shell-pink color, with sepals royal pink. A very symmetrical and distinct flower of great substance, with petals of an extraordinary width. \$1.50 each.

### General Collection of Hardy Nymphaeas

**Aiba.** The well-known white European Water Lily. Strong-flowering roots. 50c. each, \$5.00 per doz.

**Laydekeri lillacea.** Flowers soft rosy lilac, shaded bright carmine, tea-rose fragrance; very free-flowering. An exquisite variety. 75c. each, \$7.50 per doz.

**Marliacea albida.** A vigorous variety; flowers large, of sparkling whiteness; stamens light yellow. sepals flushed pink; fragrant, and produced freely and continuously through the season. Very desirable. 50c. each, \$5.00 per doz.

**Marliacea carnea.** Similar to the preceding save in color, which is of a soft flesh-pink, deepening toward the base of the petals. 75c. each, \$7.50 per doz.

**Marliacea Chromatella.** A very free and vigorous grower, and should not be crowded; flowers 4 to 6 inches across, bright yellow; petals numerous, broad, concave; stamens deep yellow; leaves deep green, beautifully blotched with brown. A free and continuous bloomer, on which account it is a universal favorite. 75c. each, \$7.50 per doz.

**Odorata.** This is the fragrant Pond Lily of the north-eastern United States; flowers white, 3 to 5 inches in diameter; stamens yellow; leaves dark green above, under surface deep red to reddish green; splendidly adapted for planting in quantity in natural ponds for effect and for cut flowers. All Nymphaeas of this type are useful for naturalizing. 20c. each, \$2.00 per doz.

**Odorata gigantea.** Rice-field Water Lily of the south-eastern United States; leaves large, 12 to 16 inches across, green, under side at times tinged purplish toward margin, edge often turned up; flowers 4 to 7 inches across, pure white. A superb variety. 20c. each, \$2.00 per doz.

**Odorata minor.** A miniature form, growing in some sections in shallow water, also where water recedes entirely in the summer. A dainty, fragrant, white flower, 2 to 3 inches across. Can be grown in a tub. 20c. each, \$2.00 per doz.

**Odorata rosea (Syn. N. rubra).** Cape Cod Pond Lily; flowers 4 inches across; color a beautiful rose-pink, deeper in the center; stamens yellow; very fragrant and free-flowering; leaves dark reddish on both sides when young, becoming green above. 50c. each, \$5.00 per doz.



**Odorata sulphurea.** One of the very best hybrid Nymphæas. The greatly fragrant flowers are sulphur-yellow, 4 to 5 inches in diameter, and standing 3 to 4 inches out of the water; leaves floating, as in the type, but blotched reddish on the under side; distinct. 50c. each, \$5.00 per doz.

**Helvola** (*Syn. N. tetragona Helvola*). Similar to the preceding, but with sulphur-yellow flowers; petals more pointed; leaves green, early stage reddish, blotched all over with brown; extremely free-flowering, and well adapted for growing in large aquariums or tubs. 30c. each, \$3.00 per doz.

**Robinsoni.** The large, floating flowers of this distinct and striking variety are difficult to describe, but may be said to have a ground color of yellow overlaid with purplish red, the general effect being dark orange-red. The foliage is dark green, spotted with chestnut above, dark red on the under side. A fine variety and should be in every collection. \$1.00 each.

**Tuberosa rosea.** Flowers an exquisite shade of pink, standing above the water. A vigorous grower, but not so strong as the type. 50c. each, \$5.00 per doz.

**Tuberosa Richardsoni.** This variety should be included in every collection. Flowers pure white and quite double, the stamens being converted into petals which are more or less fluted in the center. The flowers stand well above the water; the sepals and outer petals drooping, forming a perfect globe. No variety in our Water Garden was admired by visitors more than this. This immense snowball-like flower, 8 inches in diameter, was declared to be the finest white Water Lily of all. 50c. each, \$5.00 per doz.

## NELUMBIANS

**Album Grandiflorum.** (*Syn. A. floribunda*). A grand white variety, whose purity, fragrance, noble form, size, majestic foliage and hardiness stamp it as one of the very best. \$1.50 each.

**Speciosum** (*Egyptian Lotus*). The well-known and famed species. Its superb flowers and magnificent foliage produce a splendid sub-tropical effect. The flowers, which are about a foot across when fully opened, are of a deep rose color, creamy white at base of petals; exquisitely fragrant. 75c. and \$1.50 each.

**Luteum** (*American Lotus, Water Chinquepin*). A superb variety with yellow flowers. This variety is indigenous in the Western and Southern States. It has been introduced into the Eastern States, where, as a rule, it grows as freely as any native plant. 75c. each.

**Note.**—The prices given above are for tubers. Pot-grown plants can be supplied after June 1st at an advance of 25 per cent.

## Tender Day-Blooming Water Lilies

**Nymphæa, Mrs. C. W. Ward.** A hybrid of *N. gracilis*, possessing all the good qualities of that variety, but is a stronger grower, flowers much larger, being from 8 to 10 inches in diameter, and borne on stout stems fifteen inches above the water. Color deep rosy pink with golden-yellow stamens; a most desirable variety for cutting. Certificated at New York by the Society of American Florists. \$2.50 each.

— **zanzibarensis.** A superb Water Lily and the darkest blue or purple of the genus; leaves deep green above, under surface suffused violet, 8 to 15 inches across. Flowers 6 to 10 inches in diameter; petals numerous, deep blue; sepals green outside, deep purplish blue within; back of anthers dark crimson-violet; very free-flowering and exquisitely fragrant. \$1.50 each.

— **azurea.** Similar to the type, but flowers opening wider and of a lighter blue color. 75c. each, \$7.50 per doz.

**Nymphæa zanzibarensis rosea.** Flowers rose of various shades, otherwise like the type, but opening earlier in the morning. 75c. each, \$7.50 per doz.

— **capensis**—**Thunb.** (*Syn. N. scutifolia, D. C.; N. Carulea, B. M. 552, and American Gardens*). Cape Blue Water Lily; flowers rich sky-blue, 6 to 8 inches across; sepals green outside, whitish within, flushed blue. A very desirable species and useful for cutting. 75c. each, \$7.50 per doz.

— **gracilis.** A Mexican species of great merit, and the only white day-flowering tropical species in cultivation. Leaves green, 15 to 17 inches across, deeply and irregularly sinuate, angles of lobes rounded; flowers white, 6 to 8 inches across; petals numerous, lanceolate; stamens deep yellow, distinct and free-flowering. The flowers standing a foot or more out of the water, and possessing a delicate fragrance. Desirable for cutting. \$1.00 each, \$10.00 per doz.

## Tender Night-Blooming Nymphæas

This class is equally as beautiful as the day-flowering sorts, and are especially desirable for cutting, opening as they do soon after sunset, and remaining open until near noon next day. The flowers open and close 3 or 4 days in succession, as do the Hardy Nymphæas.

**Devoniensis.** This variety was the first hybrid of note; leaves 18 inches across, of dark bronzy green, under surface greenish brown; flowers pure red, 6 to 10 inches in diameter; a universal favorite. 75c. each, \$7.50 per doz.

**Dentata** (*N. ortigiesiana Planch.*). The largest-flowering and best white night-blooming Nymphæa. Flowers measure from 8 to 12 inches in diameter, opening out horizontally; leaves dark glossy green, heavily dentated. 75c. each, \$7.50 per doz.

**Kewensis.** Leaves dark green, slightly bronzy, with a few brown blotches; young leaves more spotted on surface. Light pink flowers, 6 to 8 inches across. \$1.50 each.

**Frank Trelease** (*Crimson Devoniensis*). This superb tender night-blooming Water Lily surpasses all other red varieties by the brilliancy and depth of the rich, glowing dark crimson of its flowers, which are identical in form to *N. Devoniensis*, 9 to 10 inches in diameter; stamens reddish-bronze, crimson at the base; foliage 15 inches across, dentated, of a glossy dark bronzy red, resembling in color the foliage of Black Beauty Canna. \$2.50 each.

**O'Marana.** Leaves bronzy green, deeply dentated; margin occasionally crumpled; flowers of the largest size, 10 to 12 inches in diameter; petals pinkish red, with a nearly white streak up the middle; stamens orange. A vigorous grower and very free-flowering. \$2.50 each, extra size \$3.50 each.

**Rubra-rosea.** One of the best red Water Lilies in cultivation; leaves bronzy green, blotched brown; flowers large and massive, 8 to 10 inches across, rosy carmine; petals broad at base, pointed; tips of stamens orange-brown. \$1.50 each.

## Miscellaneous Aquatics Tender Varieties

**Limncharis Humboldti** (*The Water Poppy*). A pretty little aquatic, with oval leaves, and yellow, poppy-like flowers, standing out of the water. Fine for growing in shallow water or an aquarium. 15c. each, \$1.50 per doz.

**Myriophyllum proserpinacoides** (*Parrot's Feather*). Long, trailing stems, clothed with whorls of the most exquisite foliage, as finely cut as the leaves of the Cypress Vine, and much more delicate. Planted in a water-tight hanging basket, so water can be kept standing on the surface, it will trail finely. 10c. each, \$1.00 per doz.



## SUMMER-FLOWERING BULBS

### BEGONIAS—TUBEROUS-ROOTED

The beauty of this class of Begonias and their adaptability to almost all situations has made them a general favorite for summer garden decorations. They are now being used in large quantities for bedding purposes. Their flowers, large and brilliant in color, bid fair to eclipse in popularity the Geranium. Plant about May 15.



*Begonia, Tuberous-Rooted.*

### TIGRIDIAS

Extremely handsome summer-flowering bulbs, growing about 2 feet high, producing large, gorgeous flowers, exquisitely spotted; flowers profusely throughout the summer. Separate colors of yellow, crimson and white. Each 5c., doz. 50c.

### CALADIUM ESCULENTUM

If ordered by mail, add 15c. per dozen for postage.

One of the handsomest of the ornamental-leaved plants. It will grow in any garden soil, and is of the easiest culture. Plant in large pots for lawn decorations or for massing in beds; it is unsurpassed as a decorative plant. Plant about May 10. Each 10c., per doz. \$1.00; extra size, each 25c., per doz. \$2.50; mammoth, each 35c., per doz. \$3.50.

### GIANT WHITE SUMMER HYACINTH

Luxuriant, free-growing summer-flowering plant, spreading two or three feet, throwing up great, tall spikes, four to five feet in height, each bearing 20 to 30 large white bell-shaped flowers, of the easiest culture, and fine for groups. Each 5c., per dozen 50c. If ordered by mail, add 10c. per dozen for postage.

#### Single-Flowering

	Each	Doz.	100
White	5c.	50c.	\$4.00
Yellow	5c.	50c.	4.00
Nankeen	5c.	50c.	4.00
Pink	5c.	50c.	4.00
Rose	5c.	50c.	4.00
Red	5c.	50c.	4.00
D'k Red	5c.	50c.	4.00
Salmon	5c.	50c.	4.00
Orange	5c.	50c.	4.00
Mixed	5c.	40c.	3.00

#### Double-Flowering

	Each	Doz.	100
White	10c.	\$1.00	\$6.00
Yellow	10c.	1.00	6.00
Orange	10c.	1.00	6.00
Rose	10c.	1.00	6.00
D'k Rose	10c.	1.00	6.00
D'k Red	10c.	1.00	6.00
Red	10c.	1.00	6.00
Salmon	10c.	1.00	6.00
Mixed	10c.	.75	5.00

Collection, 1 each, single and double, 17 bulbs in all, for \$1.00.

Collection, 12 each, single and double, 204 bulbs in all, for \$10.00.

### BESSERA ELEGANS

**Coral Drops.** If stored during winter in a dry place and planted in the garden in the spring, it can be grown with perfect ease; its umbels of bright coral-like flowers open in succession during fully two months of the late summer. The flowers are of vermilion-red, variously marked with white on the inner surface; bright purple anthers. Height 1 to 2 feet. Each 5c., per dozen 50c., 100 \$3.00.

### TUBEROSE

#### Double Excelsior Pearl

If ordered by mail add 10c. per doz. for postage.

This pure white, perfectly double, fragrant flower is too well known to need any description. Plant when the ground is warm, in good, rich soil. Our bulbs are extra selected, first size, and are sure to flower if properly treated. Each 5c., doz. 35c., 100 \$2.00. Mammoth bulbs, each 10c., doz. \$1., 100 \$4.00.



*Caladium Esculentum.*



# CANNAS



**Grand Rouge.** A gigantic dark-leaved Canna; has been grown to the height of 8 ft. 11 in., with bright scarlet flowers of fair size. When large masses of dark foliage are required, this Canna can fill a long-felt want; being a fine flowering variety will add to its value. The foliage is simply superb. Price, 10c. each, \$1.00 per doz.

**Mrs. Kate Gray.** The most robust-growing Canna in our collection, with broad and massive foliage of a bright glossy green; very much like the Abyssinian Banana in size and substance, and forming a beautiful foil to the gigantic trusses of flowers, which are of a rich shade of orange-scarlet overlaid with gold, and measure from 6 to 7 inches across. Price, 10c. each, \$1.00 per doz.

**Pennsylvania.** The flowers are often 7 to 8 inches across, with petals  $2\frac{1}{2}$  inches broad. It will produce double the number of flowers of any other of the Giant-flowering Cannas. Leaves deep green, of grand size and proportions. Its size, pure, deep scarlet color and profuse-blooming habit place it at the head of Giant-flowering Cannas to date. Price, 10c. each, \$1.00 per doz.

**New Scarlet Canna, "Chautauqua."** A distinguished-looking Canna. Flowers pure, rich scarlet, intensely vivid; has luxurious tropical foliage prettily bronzed, and makes a splendid color contrast with its brilliant blossoms. "Chautauqua" has the habit of holding its rich bouquets of bloom high above the foliage, a feature which makes this variety especially valuable for massing. Price, dormant roots, 10c. each, \$1.00 per doz.

If ordered by mail, add 15c. per doz. for postage.

Cannas should not be planted until the warm weather sets in, or about May 15. If planted too early the bulbs are apt to rot.

Canna roots can be placed in sand in a warm place in the house during March and given plenty of moisture, and by May they will be advanced sufficiently to make a fair showing in about 2 to 3 weeks time after planting out.

## Special Varieties of Recent Introduction

### New Snow-White Canna, "Mont Blanc."

This magnificent new Canna is the result of many years' careful hybridizing, and we now have the pleasure of offering the finest white Canna in commerce. It blooms early and continuously in the greatest profusion the whole growing season. Its foliage is bright glossy green, very large and handsome, and it is a strong-growing, vigorous variety, and will produce from 15 to 20 flower stalks in a season. Its great masses of snowy-white flowers contrast finely with the crimson varieties. Price, dormant roots, 25c. each, \$2.50 per doz.

### New Bronze-Leaved Canna, "Hiawatha."

Foliage a beautiful bronze, not a deep, dull, dead bronze; striped and variegated with rich green. The flowers are borne in big bouquets on strong, straight stalks. Individual flowers are large, have broad petals, gracefully rounded and slightly crimped. Color a delicate tint of rosy-pink, daintily dappled with silver-blush, and finished off with a border of clear cerise. Height, about 3 feet. Price, dormant roots, 10c. each, \$1.00 doz.

### New Yellow Canna, "Gladiator."

A rugged, strong-growing variety, which withstands our summer storms better than almost any other Canna. The flowers are bright yellow, thickly spotted with crimson; blooms profusely. Heads are unusually large and borne on long, strong stalks with tough, deep green foliage. Price, dormant roots, 15c. each, \$1.50 per doz.

### Shenandoah.

A splendid red or bronzed-leaved variety. The foliage is rich ruby red, exquisitely veined and tinted like some rare hot-house plant. It bears fine large trusses of beautiful waxy rose-pink flowers, and, unlike other red-leaved sorts, is a most early and abundant bloomer, highly ornamental, and sure to be in large demand when better known. The flowers are very much larger, and it blooms more freely than "Egandale," which variety it resembles in habit. Price, 10c. each, 75c. per doz.

### Papa Nardy. New French Canna.

Height, 4 feet. Green foliage. A strong grower and free-flowering habit; large rounding flowers of a beautiful purplish-crimson. A great show when massed on account of its attractive color and free-flowering habit. A sensational plant. Price, 40c. each, \$4.00 per doz.

### Burbank. 5 feet. Green foliage.

The new American Orchid-flowering Canna. Flowers gigantic, upper petals spreading fully 7 inches, form really semi-double. Toward the inner part the petals show fine crimson spots; rest of flower is rich canary-yellow. Price, 10c. each, \$1.00 per doz.



**The Express.** In color it is bright scarlet-crimson a shade lighter than that of Philadelphia—one of its parents. Large, broad-petaled flowers in immense, compact trusses. The bed is a mass of bloom the entire season. Under most favorable conditions it only attains a height of 3 feet, but generally 2 to 2½ feet. This, added to its free, clean growth, makes it an ideal crimson bedder. Price, 40c. each, \$4.00 per doz.

**Red Indian.** (Our seedling.) Height 4 feet. Dark, bronze leaf, strong, robust grower, sending up numerous flower stalks well above the foliage. Each stalk carries from five to six flowering spikes. Color deep scarlet; petals large and rounding. The bronze foliage and scarlet flowers make a grand contrasting effect. The only Canna of this color in bronze leaf. Price, 10c. each, \$1.00 per doz.

**President Cleveland.** This variety has attracted widespread attention the past season, and is conceded to be one of the finest introductions of late years. Color is bright orange-scarlet. A fine, compact, vigorous grower, throwing up numerous immense trusses with flowers of large size. Price, 10c. each, 75c. per doz.

**Alemannia.** The flowers are enormous and surpass in size even those of the Canna "Italia." Outer petals scarlet, with a very broad yellow border, inside scarlet and dark red. Price, 10c. each, 75c. per doz.

**America.** The foliage is bronze color, with dark red hues and metallic luster. The flowers are enormous, beautiful, glowing, purplish-red, flamed and striped. Price, 10c. each, 75c. per doz.

**Chas. Henderson.** Height 2½ to 3 ft. Color brilliant deep crimson; broad, deep green foliage. Price, 5c. each, 50c. per doz.

**Chicago.** One of the best scarlet Cannas. Price, 5c. each, 50c. per doz.

**Paul Marquant.** Bright salmon flowers of very large size. Price, 5c. each, 50c. per doz.

**Black Prince.** Intense dark velvety-maroon; grows strong and erect, 3 to 4 ft.; fine dark red stems, and deep green leaves edged with purple. A superb variety in its color. Price, 10c. each, \$1.00 per doz.

**Martha Washington.** One of the best, and the most superb pink variety yet introduced. The flowers are very large and frequently have five broad petals; the trusses are immense, and the color pure bright rose. Height, 2½ to 3 feet. Price, 10c. each, \$1.00 per doz.

**Italia.** Brilliant scarlet flowers, spotted and deeply bordered with yellow. Price, 5c. each, 50c. per doz.

**Austria.** Giant golden yellow. Price, 5c. each, 50c. per doz.

**Souv. du President Carnot.** Brilliant cherry-red flowers; splendid habit, deep purplish-bronze foliage. Price, 10c. each, \$1.00 per doz.

**Luray.** Large, well-formed flowers of a very attractive rosy-pink color. A very free bloomer. Price, 10c. each, \$1.00 per doz.

**Finest Mixed.** Dwarf French Cannas, per doz. 50c.

" " Tall-Flowering " per doz. 50c.



*Canna in Tub.*

**Gloriosa.** A splendid dwarf variety of the Queen Charlotte type, vigorous, healthy habit, 18 inches to 2 feet in height. Foliage broad, of a bright rich green. The flowers are borne in massive trusses, measuring 9 inches or more in length and 6 to 8 inches in diameter. The individual florets are 4 to 5 inches across, of a rich scarlet-crimson color, broadly margined, with a distinct golden-yellow band. Price, 10c. each, \$1.00 per doz.

**Secrétaire Chabanne.** Distinct and pleasing salmon; 3 feet. Price, 10c. each, \$1.00 per doz.

**Mlle. Berat.** The nearest approach to a pink in a first-class bedder. Foliage green; 4 feet. Price, 15c. each, \$1.50 per doz.

**Robusta.** This variety, with good cultivation, will grow fully ten feet high, with immense leaves, 4 feet long, 1½ feet in width, of dark bronze and green colors. Price, 5c. each; 50c. per doz.

**Mme. Crozy.** Immense trusses of bright scarlet flowers, with a distinct border of bright yellow; foliage green; 3 feet.

## COLLECTIONS OF SUMMER FLOWERING BULBS

These Collections are made up of the Finest Varieties of their Respective Class

COLLECTION A	COLLECTION B	COLLECTION C
25 Bulbs in 8 Varieties for \$1.00	50 Bulbs in 12 Varieties for \$2.00	100 Bulbs in 13 Varieties for \$5.00
3 Begonias, single mixed 2 Caladium Bulbs 3 Bessera Elegans 3 Summer Hyacinths 3 Cannas, Dwarf French 3 Dahlias, three varieties 6 Gladiolus, finest mixed 2 Madeira Vines	4 Begonias, single mixed 2 Caladium Bulbs 4 Bessera Elegans 4 Summer Hyacinths 4 Cannas, Dwarf, French 3 Dahlias, three varieties 12 Gladiolus, finest mixed 2 Madeira Vines 3 Lily Bulbs 3 Tuberose Bulbs 6 Montbretias 3 Oxalis	6 Begonias, single mixed 6 Begonias, double mixed 6 Bessera Elegans 6 Summer Hyacinths 6 Cannas, Dwarf, French 6 Dahlias, in six Cactus varieties 18 Gladiolus, finest mixed 3 Madeira Vines 3 Cinnamon Vines 6 Lily Bulbs, three varieties 10 Tuberose, first size 12 Montbretias, mixed 12 Oxalis
25	50	100



# STUMPP & WALTER CO.'S NOVELTIES

## CACTUS DAHLIAS—PLANTS

**Winsome New White Incurved.** This is unquestionably the finest white incurved Cactus Dahlia yet raised. It is pure white in color, with the exception of the faintest tinge of yellowish green toward the bases of the center petals of the flower, and is the first incurved variety in this color. The petals are long and of good substance, the outer ones incurving in an elegant manner. The form of the flower is all that can be desired, and it is recommended as an excellent variety for either exhibition or decorative purposes. Every bloom is produced boldly above the foliage upon a footstalk that is unequalled in point of its wiry nature in any known kind extant. Price, plants 50c. each, \$5.00 per doz.

**Mrs. Amos Perry.** A vivid velvety-crimson variety, of good form and substance. It is a bold variety and one that we have no hesitation in recommending as a garden variety par excellence. Price, plants 50c. each, \$5.00 per doz.

**Red Cap.** This is unquestionably the best quality bloom in the red section of Cactus Dahlias. It is a vivid crimson-scarlet in color, and of the most refined build. The habit of growth of the plants is all that can be desired, and the blooms are borne well above the foliage. We regard this as a variety that will be in great demand. Price, plants 50c. each, \$5.00 per doz.

**Flamingo.** Intense flame color. The florets are fringed. Price, plants 30c. each, \$3.00 per doz.

**Miss Grace Cook.** The form is good and the color is rose-white. Price, plants 30c. each, \$3.00 per doz.

**Mars.** Soft crimson with a distinct silk-like sheen. Price, plants 30c. each, \$3.00 per doz.

**Alpha.** White ground speckled and striped freely with purple, crimson and lilac. Price, plants 30c. each, \$3.00 per doz.

**Gabriel.** The ground color is a soft, velvety crimson, having a faint cinnamon hue at the bases of the florets; the upper part of each floret for about half its length is snow white. Price, plants 30c. each, \$3.00 per doz.

**Gen'l Buller.** Rich, velvety crimson, nearly black at the base. Every floret as it expands has a pure-white tip, while those in the center exhibit a tinge of plum color. Price, plants 30c. each, \$3.00 per doz.

**J. H. Jackson.** Brilliant crimson-maroon. Price, plants 30c. each, \$3.00 per doz.

**Miss A. F. Perkins.** Sulphur yellow tipped with pure white. Price, plants 30c. each, \$3.50 per doz.

**Mrs. Freeman Thomas.** Clear yellow, shading to light orange toward the points of the petals. Price, plants 30c. each, \$3.00 per doz.

**Mrs. H. J. Jones.** Scarlet, edged cream and heavily tipped white. Price, plants 30c. each, \$3.00 per doz.

**Mrs. Walter.** Pure, delicate white with a tinge of red at the center, and slight red stripe. Price, plants 30c. each, \$3.00 per doz.

**Richard Dean.** Rich vermilion-scarlet, each floret distinctively tipped white. Price, plants 30c. each, \$3.00 per doz.

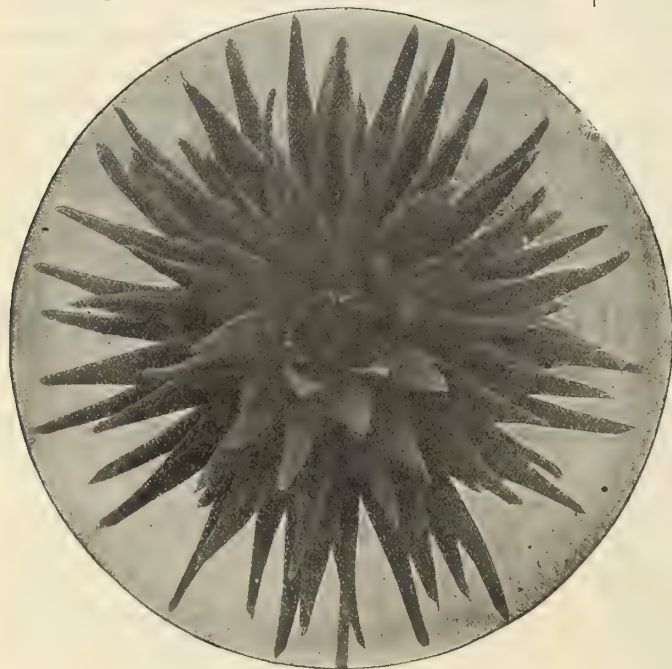
**J. Weir Fife.** Ground color clear purple, with darker shades. Very handsome. Price, plants 30c. each, \$3.00 per doz.

**Mrs. J. J. Crowe.** One of the finest clear yellow Dahlias. Price, plants 30c. each, \$3.50 per doz.

**Kreimhilde.** Fresh, delicate pink, shading to white in the center. The finest pink Cactus Dahlia introduced, and as a cut flower likely to supersede all existing pink sorts. Price, plants 30c. each, \$3 per doz.

All the above **New Cactus Dahlias** are supplied in plants only, and will be ready April 25th. We would like orders placed as early as possible. The above prices include delivery, and we will guarantee safe delivery.

Collection: One plant each of the above 18 varieties delivered free for \$5.50.



*New Bright Red Cactus Dahlia—Mars.*

## New and Rare CACTUS VARIETIES—ROOTS

**Gloriosa.** 4 ft. Medium to large size, with long, narrow, twisted petals; color, deep, bright red, shaded scarlet.

**Matchless.** 4 ft. Rich, deep, velvety maroon, with long, pointed petals, and flowers thrown well above the foliage.

**Beatrice.** 5 ft. Deep rose pink, with long twisted petals; very large.

**Earl of Pembroke.** 3 ft. Bright plum, deeper and more velvety toward the center; petals long, pointed and regularly arranged. One of the best.

**The Queen.** 4 ft. Truly rightly named. A pure snow white. It is an elegant flower; has long stiff stems, which throw the flowers well above the foliage. Will be greatly used by florists and others as a cut flower.

**John H. Roach.** 4 ft. Finest soft yellow petals, long and twisted.



## NEW AND RARE CACTUS VARIETIES—ROOTS—(Continued)

**Harmony.** 4 ft. Large crimson flowers shading to old gold in center, with long, curling petals.

**Capstan.** Soft brick-red, shaded apricot. Remarkable for its free and early flowering.

**Chas. Woodbridge.** A magnificent flower; rich crimson-purple.

**F. Bartels.** 4 ft. Bright scarlet; when first opening shows a pretty violet shade.

**Mary Service.** 3½ ft. Light orange-scarlet, gradually shading to deep rose on the tips of the petals.

**Profusion.** 4 ft. Bright lavender pink, with long, pointed petals; most profuse bloomer.

Price, bulbs 20c. each, \$2.00 per doz., by mail or express, charges paid.

## DECORATIVE DAHLIAS ALL EXCELLENT VARIETIES



*Maid of Kent.*

**Admiral Dewey.** 4 ft. (Decorative.) Brilliant Imperial purple. Of fine form; a strong grower, and by far the best of its class. 25c. each, \$2.50 per doz.

**Maid of Kent.** 4 ft. Cherry red, tipped white; sometimes a solid color, when it is a superb red.

**John Elitch.** 5 ft. Large, perfectly formed, and of a deep, rich red. A tall grower and blooms rather late.

**Clifford W. Bruton.** 6 ft. The finest pure yellow decorative Dahlia; of immense size, 5 to 6 inches in diameter; of full Chrysanthemum form and full to the center; a strong, vigorous grower and an extremely profuse bloomer to have so large a flower. No collection is complete without this superb variety.

**Henry Patrick.** 3 ft. A superb pure white variety of large size and borne on long stems; excellent for cutting; strong plants only.

**Mephisto.** Very large; bright, rich vermilion scarlet.

Price 20c. each, \$2.00 per doz., by mail or express, charges paid.

**Lemon Giant.** Flowers of immense size, pure lemon, without tint or streak. Strong-growing, free-blooming, and always full to the center.

**Nymphaea.** 4 ft. By far the most delicately beautiful Dahlia ever introduced; more extensively grown for cut flowers than all others combined; the flowers are of medium to large size, always full to the center, resembling the ideal pink water-lily; the color is a clear, distinct, light shrimp pink, tinted lighter toward the center.

**Oban.** Very large flowers of beautiful and distinct form and a distinct color, being a rosy lavender, overlaid with delicate silvery fawn; strong growing and early and continuous blooming.

**Mrs. Geo. Reed.** 3 ft. One of the best of this class; pure white, beautifully edged and flaked soft rosy lake; the petals overlap each other and are deeply cleft.

**Marchioness of Bute.** 3 ft. Very pretty; pure white, heavily tipped deep pink.

**Zulu.** 3 ft. Rightly named "The Black Dahlia"; jet black, changing to black maroon as the flowers fully expand; of fine form and full to the center.

20c. each, \$2.00 per doz., by mail or express, charges paid.

## FANCY DAHLIAS

THIS CLASS HAS FLOWERS STRIPED, TIPPED, MOTTLED, PENCILED AND VARIEGATED IN ALMOST EVERY CONCEIVABLE MANNER

**American Flag.** 3 ft. Pure white, striped crimson.

**Penelope.** 3½ ft. White, flaked lavender; very fine.

**Mrs. Stancombe.** 4 ft. A peculiar and pleasing fancy Dahlia; straw, suffused amber, striped red; mottled and tipped pinkish white.

**Decorator.** White, suffused pink, spotted and penciled with crimson.

**Heatherbell.** 4 ft. Very large, full round form, high center; deep lavender pink, penciled and striped dark crimson lake.

**Rudolph Kuhl.** Dark, velvety maroon, tipped white; very profuse. 15c. each.

**Miss Browning.** 4 ft. Of exquisite form; pure yellow, tipped pure white.

**Chang.** 4 ft. Very large; salmon buff; striped crimson.

**Elegans.** 4 ft. Rosy purple, tipped and banded white; quilled petals.

**Keystone.** 3½ ft. Pink; striped crimson; large and fine.

**Striped Banner.** 3 ft. Crimson scarlet; tipped white.

**Silver Tip.** A charming new Fancy Dahlia, and especially valuable on account of its profuse blooming qualities, combined with long, slender stems, perfect form and bright colors. Color, pure canary yellow, tipped white.



*Fancy Dahlia.*

Price 20c. each, \$2.00 per doz., by mail or express, charges paid.



## NEW AND RARE SHOW VARIETIES

**THIS CLASS HAS LARGE, ROUND AND FULL FLOWERS, ALL OF SOLID COLORS, OR EDGED AND TIPPED DARKER**



*A. D. Livoni.*

**Arabella.** 3½ ft. An early and profuse-flowering variety, of large size and perfect form; color pale primrose, tipped and shaded old rose and lavender. One of the loveliest of this section.

**A. D. Livoni.** 3½ ft. Beautiful soft pink with quilled petals and full to the center; an early and profuse bloomer.

**Duchess of Cambridge.** 5 ft. White, suffused pink, tipped and edged shades of purple.

**Emily.** 4 ft. One of the best; varies from rosy lavender, to white, suffused lavender; a large, beautiful and striking flower.

**Psyche.** 3 ft. Pale primrose, shaded rose; a dwarf-branching plant, and one of the most profuse bloomers.

**Geo. Smith.** Fine, large, of perfect form; crimson.

**Paul's Scarlet.** Brightest scarlet.

**May Oakleigh.** 3½ ft. Of medium size; deep lilac; a profuse bloomer; has long stems.

**Margaret Braunt.** 2½ ft. Dwarf and free; pure white.

**Souv. de Mme. Moreau.** 4 ft. Very large, of perfect form; deep pink; very fine for cutting.

**Orlando.** Buff, shaded old gold, edged darker; large, of fine form.

**Ethel Britton.** Very large; white, suffused and overlaid soft lavender-pink. Beautiful form. Plants only.

Price 20c. each, \$2.00 per doz., by mail or express, charges paid.

### POMPON OR BOUQUET DAHLIAS

**Rosalie.** Yellow, tipped crimson; of good form.

**Rougere Chauviere.** A beautiful Pompon; fine form; profuse bloomer; delicate crimson, mottled and striped pink, sometimes pink penciled white; seldom two flowers alike.

**Catherine.** The best pure yellow; of fine form, full to the center, and borne on long stems.

**Lillian.** Small, finely formed delicate pink.

**Vivid.** Intense vivid scarlet; fine form.

**Aillett's Imperial.** 3 ft. White, suffused pink; tipped imperial purple; always perfectly formed.

**Little Beauty.** 3 ft. Delicate shrimp pink of full round form and beautifully quilled petals; it has long, graceful stems especially adapted for bouquets.

**Little Diavola.** 3 ft. Pink, tipped crimson-maroon.

**Prince Charming.** 3½ ft. White penciled, suffused and heavily tipped purple-pink; a strong grower, of good form, and blooms until frost.

**Klein Domatia.** 2½ ft. Salmon-buff; profuse; fine.

**Mignon.** 3 ft. Deep, rich crimson.

**Snowclad.** 2½ ft. The finest white pompon to date.

Price 20c. each, \$2.00 per doz., by mail or express, charges paid.

### "THE DAHLIA"

A practical treatise on the habits, characteristics, cultivation and history of the Dahlia. By L. K. Peacock. A beautifully illustrated book, given free with every order for Dahlias amounting to \$3.00. Price 30c.



*Little Beauty.*





*Collection New Seedling Single Dahlia Flowers.*

## S. & W. Co's New Seedling Single Dahlias

These varieties of single Dahlias are the cream of at least 20,000 seedlings, and are by far the finest single Dahlias ever offered, and should be grown in every collection.

	Each.	Doz.
<b>Striped</b> .....	25c.	\$2.50
<b>Margined</b> .....	25c.	2.50
<b>Crimson</b> .....	25c.	2.50
<b>Scarlet</b> .....	25c.	2.50
<b>Maroon</b> .....	25c.	2.50
<b>Pink</b> .....	25c.	2.50
<b>Lavender</b> .....	25c.	2.50
<b>Purple</b> .....	25c.	2.50
<b>Yellow</b> .....	25c.	2.50
<b>White</b> .....	25c.	2.50
<b>Red</b> .....	25c.	2.50
<b>Salmon</b> .....	25c.	2.50

**Collection**—1 root each of the above 12 varieties..... \$2 75 } delivered, express charges paid.  
 " 10 roots " " " " 12 " ..... 20 00 }

## SINGLE DAHLIAS—General Collection

Embracing only distinct colors and free bloomers. Single Dahlias are again coming to the front for bouquets, and they make beautiful blooming plants.

**Fashion.** 4 ft. One of the best high-colored sorts; crimson-maroon, flamed purple; light disk.  
**Novelty.** 2½ ft. (The fragrant Dahlia.) Bright pink, spotted, penciled and striped deep, rich crimson. Fine form, and a strong, dwarf grower; good stems.

**Mrs. L. C. Bassett.** 3 ft. Maroon, striped lilac.  
**Serapietala.** 3 ft. Bright red; petals cleft at tips.  
**Snow Queen.** 3 ft. Best pure white; single.  
**Sunningdale.** 4 ft. Rich, creamy white; tinged pink.

Price, 20c. each, \$2.00 per doz., by mail or express, charges paid.

## S. & W. Co's Orchid-Flowered Single Dahlias

The most wonderful novelty ever introduced. This superb new class of Dahlias we originated and developed after many years of careful selecting and hybridizing. We offer this year varieties which surpass in every way any other Dahlia in existence. The flowers measure from 5 to 7 inches across.

	Each
<b>Twentieth Century.</b> Rosy crimson, white tips.....	25c. bulbs
<b>Leone.</b> Pure white, blush band.....	50c. "
<b>Scarlet Century</b> .....	75c. plants

	Each
<b>Crimson Century</b> .....	75c. plants
<b>Lavender Century</b> .....	50c. "
<b>White Century</b> .....	75c. "
<b>The Record.</b> Yellow, scarlet band.....	50c. "

**Pink Century**—This is a most exquisite flower, measuring six to seven inches in diameter, with great keeping qualities. The color is beautiful, delicate, shrimp-pink on a white ground, making it the finest and most delicate of all the orchid-flowered singles. Plants, \$1.00 each.

**Collection**—One each of the above 6 plants and 2 bulbs for \$4.50, delivered by express, charges paid; plants ready April 25th, bulbs at once.



# GLADIOLUS



## GROFF'S GOLD MEDAL COLLECTION

This collection is made up from the choice, new varieties exhibited in St. Louis in 1904 and contains varieties of such high proven quality that no grower, however critical, can wish for better value.

In its preparation, over 600 named varieties have been discarded and every desirable section known is represented—Gandavensis, Lemoine, Nanceianus, Blues, and New Hybrids.

**Groff's Newest Reds, Scarlets and Crimson.** The world's commercial strains, offer few equal and none better. Mixed, each 25c., per doz. \$2.75, per 100 \$20.00.

**Groff's New White, Light, and Yellow.** All shades of white, cream and yellow, in many combinations, relieved by stains and blotches of rich colors in

most pleasing contrasts. Mixed, each 30c., per doz. \$3.00, per 100 \$22.00.

**Groff's Rare Blues, in Clematis, Lilac, and Heliotrope Shades.** New Hybrids of Papilio Major, practically unknown. Bulbs  $\frac{3}{8}$  to  $\frac{5}{8}$  inch in diameter, the only size offered. Mixed, each 30c., per doz. \$3.50, per 100 \$28.00.

## GROFF'S HYBRID SEEDLINGS MIXED

**The Most Popular Strain in America.** These are much more vigorous than others. They are very tall and erect, often standing 4 or 5 feet high, with spikes of bloom over 2 feet long. The flowers are of great substance and of gigantic size, frequently 7 to 9 inches across. Every color known among Gladioli is represented,

and many never before seen, particularly blues, smoky grays and purple blacks, all having beautifully mottled and spotted throats, made up of white, crimson, pink, yellow, etc. Mixed colors, per doz. 50c., per 100 \$3.00, per 1000 \$20.00.

## GLADIOLUS HYBRIDUS PRINCEPS

Hybrid between the rare African *Gladiolus cruentus* and a selected Childsii seedling. Grows 4 feet high with broad, healthy foliage. Spike erect and often 18 inches long, bearing 16 to 22 immense broad-petaled circular flowers, opening flat and perfect, 5 to 7 inches across. Color true Salvia scarlet with cream-white feathering on lower petals. Endures the sun and wind well, and

opens perfectly to the last bud in water. Blooms normally in August, but may be had late in October by delaying planting. Forces splendidly. Has received an Award of Merit and Diploma of Honor at American Institute Fair, New York, 1901 and 1902, and Award of Merit Royal Horticultural Society, London, England, 1901. Price, each 60c., per doz. \$5.00.



Field of *Gladiolus*.

## GLADIOLUS

If ordered by mail, add 10c. per doz. for postage; the prices listed are for express only, buyer paying express charges.

The *Gladiolus* is the most beautiful of the summer-flowering bulbs, bearing tall spikes of flowers of almost every desirable color—brilliant scarlet, crimson, creamy white, striped, yellow and blotched. They may be planted from the first of April until June, and will do well in any good garden soil. Before hard frost, take up the bulbs, remove the tops, allow them to dry in the air for a few days, and store in some cool place, safe from frost, until spring.

**Meadowvale Mixture.** This mixture comprises, some of all the varieties we catalogue, and where a first-class mixture is wanted we can safely recommend it, as we know it will give entire satisfaction. Price, per doz. 35c., per 100 \$2.00, per 1000 \$15.00.

**General Mixture.** Per doz. 25c., per 100 \$1.50, per 1000 \$12.00.

**Ordinary Mixture.** Per doz. 20c., per 100 \$1.25, per 1000 \$10.00.

**Lemoines Mixed.** Per doz. 30c., per 100 \$2.00, per 1000 \$15.00.

**Lemoines, Extra Fine, Mixed** Per doz. 50c., per 100 \$3.50, per 1000 \$30.00.

**Childsii Mixed.** Per doz. 50c., per 100 \$3.50, per 1000 \$30.00.

	Doz.	100	1000
Pink and Rose mixed .....	\$0.40	\$2.50	\$20.00
Yellow and Orange .....	.75	5.00	45.00
Striped and Variegated .....	.50	3.50	30.00
White and Light.....	.40	3.00	25.00
Scarlet and Red.....	.25	1.50	12.00

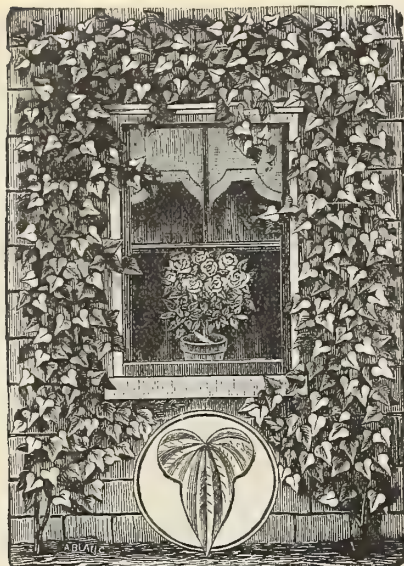
### NAMED VARIETIES

	Each	Doz.	100
<b>Agusta</b> , pure white blue anthers.....	\$0.10	\$1.00	\$ 7.00
<b>Brenchleyensis</b> , vermillion scarlet ...	.3	.30	1.50
<b>Baron Staffe</b> , creamy white, red throat.....	.5	.50	3.00
<b>Ceres</b> , pure white spotted purplish rose .	.5	.50	3 00
<b>Gil Blas</b> , salmon rose, fire red blotch.	.20	2.00	15.00
<b>Geo. Paul</b> , crimson red, mottled.....	.20	2.00	15.00
<b>Jane Dieulafoy</b> , white-flaked pink ...	.25	\$2.50	\$20.00
<b>May</b> , pure white, flaked rosy crimson.	.5	.50	3.00

	Each	Doz.	100
<b>Mad. Monneret</b> , delicate rose .....	\$0.05	\$0.40	\$2.50
<b>Mrs. Beecher</b> , rosy crimson, white throat, marked and spotted.....	.10	.60	3.50
<b>Shakespeare</b> , white very slightly suffused, with carmine-rose, large rosy blotched.....	.15	1.25	8.00
<b>Senator Volland</b> , very large flowers, pure blue, dark violet blotch, with a yellow stain, striped blue.....	.50	4.00	30.00

**Collection, 1 bulb each above 12 varieties, \$1.70 postpaid**  
**Collection, 12 bulbs each above 12 varieties, (144 bulbs), \$15.00, express prepaid**





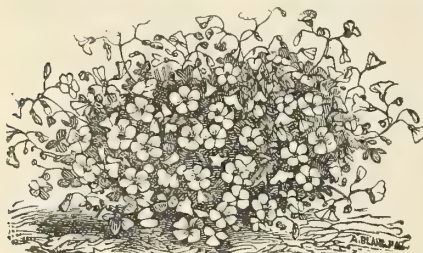
Cinnamon Vine.

**NEW HYBRID GLOXINIAS**

The handsomest of our summer-blooming plants, the rich and varied coloring of the flowers being beautiful in extreme, many of them beautifully speckled; flowers three inches long by two inches in diameter, upright and pendulous; colors various and exceedingly rich in appearance.

	Each.	Per Doz.
<b>Emperor Frederick</b> , red, bordered white . . . .	\$0 15	\$1 25
<b>Emperor William</b> , violet bordered white . . . .	15	1 25
<b>Princess Elizabeth</b> , white bordered blue . . . .	15	1 25
<b>Mont Blanc</b> , pure white . . . .	15	1 25
<b>Violacea</b> , dark violet . . . .	15	1 25
<b>Madame Helene</b> , white, crowned violet . . . .	15	1 25
<b>Princess Mathilda</b> , white bordered rose . . . .	15	1 25
<b>Queen Wilhelmina</b> , dark rose . . . .	15	1 25
<b>Defiance</b> , scarlet . . . .	15	1 25
<b>King of the Reds</b> , deep scarlet . . . .	15	1 25
<b>Prince Albert</b> , dark violet . . . .	15	1 25
<b>Fine Mixed</b> . . . .	10	1 00

Collections, 1 bulb each of the above 12 varieties, \$1.50; 2 collections, \$2.75; per 100 bulbs assorted 12 varieties, \$8.00.



Oxalis.

**CINNAMON VINE**

**Dioscorea Batatas.** A beautiful rapid-growing summer climber, with bright green glossy foliage, and spikes of deliciously cinnamon-scented white flowers. It is perfectly hardy, the stem dying down in winter, but growing with great rapidity in the spring, so as to cover any trellis or arbor very early in the season. Large select roots. Each 5c., doz. 50c., 100 \$3.00.

**MILLA BIFLORA**

**Mexican Star Flower.** A beautiful summer-blooming bulb, for sunny positions. A row or bed of them is always in flower after the middle of summer and very attractive. Flowers star-shaped, 1½ inches across, clear waxy white, of great substance, enlivened by a frost-like sparkle; the fragrance is delightful. Place a stalk in water and the flowers will all open; we have seen 11 stalks shoot up successively from one bulb. The bulbs flower profusely and with great certainty. Height, 12 to 18 inches. 3c. each, 30c. per doz., \$2.00 per 100.

**MONTBRETIAS**

Hardy summer-flowering, bulbous plants, with brightly colored flowers borne on long, graceful spikes. Valuable for cutting. They should be planted in groups and left undisturbed.  
**Mixed Variety.** Per doz. 35c., 100 \$2.00.



Gloxinia Plant.

**OXALIS, Summer-Flowering**

Valuable for edging walks, flower beds, etc. Bulbs planted 3 inches apart form rounded rows of delicate foliage, about 1 foot high, which produce flowers in endless succession.

**Lasiandra.** Rosy pink. 10c. per doz., 50c. per 100.

**Deppei.** Rosy white. 10c. per doz., 50c. per 100.

**DIELYTRA SPECTABILIS**

or Bleeding Heart

A well-known ornamental spring-flowering plant, with green foliage and bearing racemes of pink and white heart-shaped flowers. Plant as soon as the ground can be worked. They may be left undisturbed for years 15c. each, \$2.00 per doz. By express only.

**MADEIRA VINE**

The old favorite "Climbing Mignonette." Thick, glossy leaves, and long, hanging stems of feathery, fragrant white flowers 2 for 5c., 25c. per doz., \$2.00 per 100.



# LILIES

All Lilies delight in rich soil, such as is afforded by a mixture of loam and well-rotted manure. When grown in the border or open ground they should remain undisturbed for years, frequent removals being injurious. In the autumn give the bulbs a heavy mulching of leaves; coarse manure or boughs will prove highly beneficial. Plant all Lilies at least six inches deep. When Lilies are ordered at 100 rates buyer pays transit.



*Lillium Auratum Frank Henry.*

**L. Brownii.** One of the most beautiful Lilies, immense trumpet-shaped flowers 10 inches in length; interior pure white with chocolate-colored anthers; exterior brownish purple; easily grown in any light sandy loam, also in pots. 25c. ea., \$2.50 doz.

**L. Candidum** (*Annunciation, Madonna or St. Joseph Lily*). The well-known garden Lily, snow-white fragrant blossoms; it is also one of the best forcing Lilies for florists; 3 to 4 feet; blooms in the open ground about June. 12c. ea., \$1.25 doz.

**L. Elegans Alice Wilson.** One of the most beautiful and distinct Lilies; the flowers, of a bright lemon-yellow, are very large, borne erect and in clusters; very hardy, succeeds almost anywhere; height, 1½ feet; very rare. 60c. ea.; \$6.00 doz.

**L. Elegans Atrosanguineum.** Very hardy and succeeds anywhere. Flowers are erect and borne in clusters; blood-red, shading to scarlet. 75c. ea., \$7.50 doz.

**New Auratum Lily Frank Henry.** The new Lily is a natural cross or hybrid; roughly speaking it is in form and texture between the ordinary Auratum and a fine macranthum. The markings are those of the Auratum, with many variations of color. Some are deep golden yellow, some soft yellow, some are densely spotted. But in all instances the substance of the flower is very good; in size the flower is like a fine macranthum; the inner petals are very wide, so that they generally overlap one another near the base. The flower thus is much superior to the ordinary Auratum in size, form and substance. The foliage is also quite distinct, the leaves being broader than the Auratum leaves, and they are of a very fine deep color. Price 75c. each, 2 for \$1.25, \$6.00 per doz., post-paid.

**L. Auratum** (*The Golden-rayed Lily of Japan*). The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Fully expanded, the flowers measure nearly a foot across, are produced abundantly from June to October, and possess a most delicious fragrance. 3 to 5 feet.

9 to 11 in. bulbs . . . . . 15c. ea., \$1.50 doz.  
11 to 13 in. bulbs . . . . . 30c. ea. 3.00 doz.

**L. Auratum Vittatum Rubrum.** Probably the grandest Lily in cultivation. Magnificent flowers 10 to 12 inches across, clear waxy white with a burnished crimson stripe half an inch wide, through the center of each petal, and the rest of the flower beautifully spotted with crimson. Highly perfumed. 75c. ea., \$7.50 doz.

**L. Auratum Pictum.** A very choice variety, pure white with a band through each petal, one half of which is red and the other half yellow; entire flower spotted crimson. 30c. ea., \$3.00 doz.

**L. Auratum Witteii.** A magnificent Lily, immense flowers, widely expanded; color, purest white with a wide yellow stripe through the center of each petal; often grows 6 feet high; very free-blooming. 75c. ea., \$7.50 doz.

**L. Auratum Platyphyllum.** The flowers are similar in color to Auratum, heavily spotted but are much larger, the petals more overlapping and of greater substance. The leaves are very long and broad, and the stems attain a height varying from 7 to 10 feet. 30c. ea., \$3.00 doz.

**L. Batemaniae.** A Japanese Lily, growing from 3 to 4 feet high and producing bright apricot-tinted flowers; blooms in July. 15c. ea., \$1.75 doz.

**L. Elegans Incomparable.** The richest red known in Lilies; a deep ox-blood crimson, slightly spotted with black; very free and easily grown. 15c. ea., \$1.50 doz.

**L. Elegans Orange.** Rich bright orange. 25c. ea., \$2.50 doz.

**L. Elegans Semi Pleno.** A distinct and very pretty variety. Flowers are erect; the flowers are half double and rich scarlet, excepting underneath the petals, which are of soft apricot-yellow. 75c. ea., \$7.50 doz.

**L. Hansoni** (*The True Japanese Yellow Martagon*). This is one of the best of the Martagon group, unsurpassed in vigor of growth and beauty by any other Lily. The flowers are large, of a bright yellow, tinged orange and spotted maroon, with thick wax-like petals. Very robust and free. 75c. ea., \$7.50 doz.

**L. Krameri.** Distinct from all other Lilies, large flowers of a soft, beautiful rose color. 20c. ea., \$2.00 doz.



## LILIES

(Continued)



**L. Lancifolium or Speciosum.** These varieties are perhaps the most popular lilies grown, being easy of cultivation, and produce large flowers of delicate beauty and strong stems: height, from 2 to 4 feet; blooms in August. The varieties are:

**L. Lancifolium Album.** White, 8 to 9 in. bulbs, 20c. ea., \$2.00 doz.

**L. Lancifolium Roseum.** White, shaded and spotted with rose, 8 to 9 in. bulbs, 15c. ea., \$1.50 doz.

**L. Lancifolium Rubrum.** White, shaded with deep rose and spotted red, 8 to 9 in. bulbs, 15c. ea., \$1.50 doz.

**L. Lancifolium Melpomene.** Rich blood-crimson, heavily spotted, 8 to 9 in. bulbs, 20c. ea., \$2.00 doz.

**L. Leichtlini.** A free-flowering variety, producing a number of blooms, of a light-orange color with bright red spots. 25c. ea., \$2.50 doz.

**L. Longiflorum.** Pure white trumpet-shaped flowers, 5 to 7 in. in circumference, 10c. ea., 75c. doz.; 7 to 9 in. in circumference, 15c. ea., \$1.50 doz.; 9 to 11 in. in circumference, 30c. ea., \$3.00 doz.

**L. Rubellum.** A novelty in lilies, easily forced under glass as well as being perfectly hardy makes it one of the most desirable varieties known. It bears medium-sized drooping flowers of a soft, beautiful rose color and blooms very freely. 40c. ea., \$4.00 doz.

**L. Tigrinum (Tiger Lily).** Orange-salmon. 10c. ea., \$1.00 doz.

**L. Tigrinum fl. pl. (Double Tiger Lily).** 15c. ea., \$1.50 doz.

## LILY OF THE VALLEY

Clumps for outside planting. These clumps planted in the early spring will flower the same season. Are perfectly hardy and will last for ever when once planted. Each clump will produce 25 to 30 sprays of flowers.  
50c. each, \$5.00 per doz.

For \$1.00 we will send postpaid following collection:

1 Auratum	} 7 Lily Bulbs in all	1 Double Tiger
1 Roseum		1 Single "
1 Album		1 Krameri
1 Longiflorum		

For \$2.00 we will send express paid:

2 Auratum	} 17 Lily Bulbs in all	3 Double Tiger
3 Roseum		3 Single "
2 Album		2 Krameri
2 Longiflorum		

For \$5.00 we will send express paid (47 Lily Bulbs in all):

6 Auratum	} Lily Bulbs	6 Krameri	} Lily Bulbs
6 Roseum		1 Auratum Pictum	
6 Album		1 Auratum Witteii	
6 Longiflorum		1 Batemaniae	
6 Double Tiger		2 Brownii	
6 Single "			

## COLD STORAGE

## LARGE-FLOWERING "RUSSIAN" LILY OF THE VALLEY

All lovers of Lily of the Valley should not fail to give our "RUSSIAN" Valley a trial. Introduced a few years ago, it has now become famous, being forced very extensively by a large number of celebrated Lily of the Valley growers. The Russian Valley produces strong spikes of flowers, about 15 inches in height, bearing from 12 to 20 extra large pure white bells, which are delightfully fragrant. We make a specialty of Lily of the Valley, and are prepared at all times to supply from our Cold Storage Warehouse in original cases of



250 S & W FAMOUS RUSSIAN VALLEY for \$6.00	500 S & W FAMOUS RUSSIAN VALLEY for \$11.00	1000 S & W FAMOUS RUSSIAN VALLEY for \$21.00	2500 S & W FAMOUS RUSSIAN VALLEY for \$48.00
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## Twelve Best Hardy GARDEN ROSES

These are specially grown for us by one of the leading rosarians of England, where roses develop firm wood and fibrous roots. They are much better adapted to our severe and changeable climate than the soft-wooded plants grown on the meadows of Holland, so generally sold here, and which so frequently cause disappointment.

Roses should be planted with the diverging roots at least nine inches below the surface of the ground, the soil made firm about them and liberally watered.

Our collection comprises the most select sorts of all colors and of the finest forms.

**Alfred de Rougemont**, white tinted rose.

**Anna de Diesbach**, lively carmine.

**Caroline Testout**, beautiful rose.

**Fisher Holmes**, brilliant crimson.

**Gen'l Jacqueminot**, brilliant crimson.

**Gloire de Dijon**, rose salmon and yellow.

**La France**, silvery rose.

**Magna Charta**, pink, suffused carmine.

**Mrs. John Laing**, soft pink, extra.

**Paul Neyron**, deep rose, very large.

**Prince Camille de Rohan**, deep velvety crimson.

**Ulrich Brunner**, cherry red.

Extra Strong Dormant Plants, each 40c.

Collection, 1 plant each of the above 12 varieties, for \$3.50;  
2 collections, \$6.50.



## HARDY GARDEN ROSES

**Captain Christy**, delicate flesh, rosy center, each 40c., doz. \$3.50.

**Duchess of Albany**, dark silvery rose, each 40c., doz. \$3.50.

**Lady Mary Fitzwilliams**, delicate flesh pink, each 40c., doz. \$3.50.

**Madame Gabriel Luizet**, extra fine pink, each 40c., doz. \$3.50.

## AMERICAN BEAUTY

A hardy rose of the largest size, having the ever-blooming qualities of the Tea Rose, with the delicious odor of the Damask Rose, consequently equally valuable for winter or summer flowering. In color it is a deep, brilliant rosy carmine, shaded toward the center with rich carmine-crimson. Price, each 50c., doz. \$5.00.

### New Hardy Rose SOLEIL D'OR

This is the first of a new race of Roses styled "Pernetiana." It is a cross between the Persian Yellow and the hybrid perpetual Antoine Ducher. It retains considerable of the character of Persian Yellow, the bark of the wood being reddish, the thorns very fine; the foliage more ample, of a beautiful green and close together; like Persian Yellow, this variety is perfectly hardy, with large, full, globular flowers, varying in color from gold and orange to reddish gold, shaded with nasturtium red. We offer large imported plants. Price, each 50c., doz. \$5.00.

## KAISERIN AUGUSTA VICTORIA

### Hardy Garden Rose

A Hybrid Tea Rose, soft pearly white, lightly tinted with lemon in the center, just enough to relieve the white; remarkably fragrant, a strong, healthy grower, with bold, beautiful foliage. The habit is free; the beautiful, perfectly-shaped flowers are borne in profusion on long, graceful stems, so that it will be invaluable for cut flowers. Professional florists have been quick to perceive the great value of this peerless variety, and it is now more eagerly sought after than almost any rose on the market. Price, each 50c., doz. \$5.00.

Collection, 12 hardy garden roses and 1 each American Beauty, Soleil d'Or and Kaiserin Augusta Victoria, 15 roses in all, for \$4.50.

## TREE ROSES

**La France, Capt. Christy, Magna Charta, Fisher Holmes, Ulrich Brunner.**

Each 75c., collection of 5 varieties \$3.50.

## MOSS ROSES

A class of roses which are much admired. The beauty of the flowers consists in the delicate mossy covering which surrounds the bud, and gives to the opening flower a unique appearance.

**Blanche Moreau**, lovely pure white, large and full.

**Countess de Murinais**, large white beautifully mossed.

**Crested Moss**, rose color, beautifully crested.

**Gloire de Mosses**, blush, very large and full.

**Henry Martin**, fine crimson, very vigorous.

Strong plants, each 30c., set of 5 for \$1.25.





**DANDY COLLECTION,  
HARDY EVER-BLOOMING ROSES.**

THIS SUPERB COLLECTION OF HARDY ROSES, ONE EACH OF 7  
VARIETIES, ALL FIRST SIZE, MEASURING 18 INCHES IN HEIGHT,  
FOR \$2.00. DELIVERED FREE BY EXPRESS ANYWHERE IN THE  
UNITED STATES.





*Climbing Rose, Crimson Rambler.*

## TWELVE BEST EVERBLOOMING ROSES

This selection will produce a mass of roses to cut from the entire season. The plants have been grown with special care, and the varieties are the very best for outdoor culture; invaluable either for display or cutting, and are hardy with protection.

**Clothilde Soupert.** Color, French white, deepening to rosy blush in the center; one of the freest-flowering roses in cultivation, being in bloom all the time.

**Duchesse de Brabant.** One of the most beautiful old varieties in cultivation, being of free growth, always in bloom, and of a most desirable color; a beautiful silvery pink.

**Hermosa.** Undoubtedly the best pink bedding Rose.

**Kaiserin Augusta Victoria.** One of the most desirable white roses for summer bedding; large flowers, produced in great profusion; a strong, healthy grower with large foliage.

**La France.** An old favorite that always gives satisfaction. Clear satiny pink; very large, full and of fine form.

**Maman Cochet.** An extra strong grower, producing its large buds and flowers in the greatest profusion; color, deep rose pink, inner side of petals silvery rose; borne on long stiff stems; very double and exquisite when in bud.

**Marie Van Houtte.** One of the best light yellow bedding varieties, with beautifully formed buds.

**Mlle. Francois Kruger.** A grand bedder; large, full flowers of a distinct and pleasing shade of coppery yellow.

**Queen's Scarlet.** A rich shade of crimson; a most prolific-flowering and a most desirable bedding variety.

**Safrano.** An old favorite; saffron-yellow; still one of the best of its type for outdoor planting.

**Souv. du President Carnot.** Flowers of large size and exquisite fragrance, produced in marvelous abundance. In color it is similar to the Malmaison; a rosy flesh shading to white on the edge of the petals.

**White Maman Cochet.** Identical with Maman Cochet, except in color; an ideal bedding variety.

Price, 1st size, each 40c., or collection 1 each 12 var. \$4.00.

## Hardy Climbing Roses . . .

### CRIMSON RAMBLER

Magnificent Pyramidal Clusters of Rich Crimson Roses.

Every Cluster a Perfect Bouquet of Roses in Itself.

Grows Ten to Twenty Feet in a Year.

The flowers are produced in trusses, pyramidal in shape, good specimens measuring nine inches from base to tip, and seven inches across, fairly covering the plant from the ground to the top, so that it is one mass of glowing crimson. The color is superb, and remains strong and vivid to the end. The profusion of bloom is marvelous.

### THE WHITE RAMBLER

#### THALIA

Related to the Crimson Rambler, closely resembling it in vine and foliage. The flowers remain on the plant a long time—from three to five weeks—and keep a long

time when cut. The plant is perfectly hardy, equal in this respect to the Crimson Rambler.

### THE PINK RAMBLER EUPHROSYNE

This beautiful variety is from the same source as the White Rambler, fully the equal of it in hardiness, vigor, size and profusion of flowers and blooming qualities.

### YELLOW RAMBLER AGLAIA

This promises to supply that "long-felt want," a double yellow hardy climbing rose, a thing which has been sought after the world over. It is perfectly double, very fragrant, entirely hardy.

Price of any of the four Ramblers: 1st size, each 50c., per doz. \$4.50; 2nd size, each 30c., per doz. \$3.00; collection, 1 each, 4 varieties, 1st size \$1.50; collection, 1 each, 4 varieties, 2nd size \$1.00.

Extra heavy canes of Crimson Rambler for immediate effect, each 75c., per doz. \$8.00.

### TRAILING ROSES WICHURAIANA

Low trailing Japanese species, with stems creeping on the ground like ivy. Very valuable as a covering for banks, etc. Leaves small and shining; flowers white; Price, each 20c. to 40c.

### NEW HYBRID WICHURAIANA ROSES

The undernoted are beautiful additions to this class of low trailing roses for banks, rockeries, etc.

**Manda's Triumph.** Double pure white; free and constant bloomer.

**Universal Favorite.** Double; beautiful pink.

**South Orange Perfection.** Double; a perfect gem; petals white, edged with rose.

Price, each 25c., per doz. \$2.50; large plants, each 50c., per doz. \$5.00.



## TREE PAEONIES



### TREE PAEONIES

are a beautiful species of the well-known plants of that name, bearing a profusion of massive flowers, in the most brilliant and deepest red as well as in rose, and pure and tinted white, rendering them particularly effective for lawn decoration or for mingling among shrubs in borders. Tree peonies are perfectly hardy, but their flower buds are quickly developed in mild weather, and are apt to be nipped by late frosts; they should therefore be mulched and protected during the winter, and be planted in sheltered places. The plants obtain a height of about four feet, and begin to bloom about the latter part of May.

### *Pæony Moutan, Tree Pæony*

The plants we offer are all healthy, strong, well-budded stock, and will bloom the first season.

- |  |  |   |
|--|--|---|
| <b>No. 1.</b> Deep rose, very large flower, large petals.                          | <b>No. 40.</b> Bright rose, very compact round flowers having small petals grown very closely, making an almost round flower; very handsome. | <b>No. 18.</b> Large flower rose center changing to light pink on outer edge. |
| <b>No. 2.</b> White, tinted with yellow.   | <b>No. 5.</b> Very large white, flamed delicate rose.  | <b>No. 20.</b> Brilliant crimson pointed lacinated petals.                    |
| <b>No. 3.</b> Soft pink, almost flesh color, shading to white.                     | <b>No. 6.</b> Bright fiery scarlet, the most brilliant of all Pæonies.   | <b>No. 27.</b> Maroon purple edge, bottom petals almost black.                |
| <b>No. 16.</b> Rich dark red and variegated foliage; very unique.                  | <b>No. 4.</b> Purple, Violet twisted and fringed petals with yellow center.  | <b>No. 32.</b> Red shading to rose on outer edge.                             |
| <b>No. 19.</b> Pure white; very large flowers, and absolutely pure white in color. | <b>No. 8.</b> Lilac with white edge, very fine.  | <b>No. 33.</b> Violet pink, yellow center.                                    |
| <b>No. 29.</b> Pure deep rose, self color, large petals and large flower.          | <b>No. 13.</b> Scarlet changing to light red on outer edge.  | <b>No. 37.</b> Red and rose, large compact flower.                            |
| <b>No. 36.</b> Snow white, flamed in center with bright rose.                      |  | <b>No. 47.</b> Large red flower, one of the best varieties.                   |
- Price of any of above named sorts, by express only, each \$1.00, per doz. \$10.00, or collection of above 20 named varieties for \$16.00.

### HERBACEOUS OR BUSH PÆONIES

Our stock of Herbaceous Pæonies are imported direct from our grower in Japan and our collection of these, as well as the Tree Pæonies, are the finest and best varieties in the world. While the price that we ask for them may seem rather high, remember the roots that we offer are large undivided field grown, and about four times the size of those generally supplied by other dealers.

- |   |   |   |
|---|---|---|
| <b>No. 1.</b> Pink tipped white variegated center.                  | <b>No. 6.</b> Blush with rose at base of petals, yellow center.                     | <b>No. 16.</b> Handsome pure white.   |
| <b>No. 2.</b> Blush petals, large full chrysanthemum center.        | <b>No. 11.</b> Purplish rose with variegated center, very handsome.                 | <b>No. 23.</b> Red shading to wine color, chrysanthemum shaped center of gold.      |
| <b>No. 3.</b> Pink tipped white, white shaded center.               | <b>No. 13.</b> Rose and white with dark rose at base of petals, full orange center. | <b>No. 26.</b> Twisted and curved petals of rose, cardinal white variegated center. |
| <b>No. 5.</b> Rose shaded white, crimson tipped with orange center. | <b>No. 14.</b> Violet red with full variegated yellow and maroon center.            | <b>No. 27.</b> Solid dark scarlet red, very handsome.                               |

Price, each 60c., collection of 12 named varieties as above \$6.00.

**Double Chinese Pæonies.** Double White, Double Crimson, Double Rose, each 25c., doz. \$2.50.



## HARDY HERBACEOUS PAEONIES



Owing to the large size roots we supply, they can be sent only by express, purchaser paying charges.

These roots will have from six to eight stalks each, and if planted early in the spring will flower the same season.

**Ada Rehan.** Medium size; double; rose shaped petals of deep rose-pink; gorgeous in appearance. 40c. each, \$4.50 per doz.

**Angelica.** Large and double, pink-shading to white; petals 2 in. in length. 40c. each, \$4.50 per doz.

**Ben. Harrison.** large; very double; color of La France Rose, and the buds are not unlike this rose. 40c. each, \$4.50 per doz.

**Grand Duchess.** Large, double variety; deep rose-pink in color; head measuring five inches in depth when full grown. 50c. each, \$5.00 per doz.

**Lord Roberts.** A large double variety with full, compact center of creamy white, streaked with pink, changing to pure white, surrounded by single row of rose pink petals; very much like the La France Rose. 50c. each, \$5.00 per doz.

**Mad. Raquez.** A large double variety; deep red; ragged petals that shade to a purplish tint; we recommend this highly. 50c. each, \$5.00 per doz.

**Madeline.** Large chrysanthemum center of incurling petals; deep pink turning white on outer edges; large rose-shaped petals. 50c. each, \$5.00 per doz.

**Elaine.** Large and double variegated pink and white. 50c. each, \$5.00 per doz.

**Florence Taylor.** A tall, stately grown variety, very double; compact; handsome; beautiful pink tipped with white. 50c. each, \$5.00 per doz.

**Prince of Wales.** Beautiful bright pink, with very large handsome double flowers. 50c. each, \$5.00 per doz.

**Fulgida.** Very large and double; deep red; large petals rather ragged in appearance, but a fine profuse bloomer. 50c. each, \$5.00 per doz.

**Queen Alexander.** Very large and double; light red, shading to purple; very desirable. 50c. each, \$5.00 per doz.

**Collection, 1 root each above 12 varieties for \$5.50.**

## HARDY HERBACEOUS PAEONIES

The roots have from 3 to 5 crowns; and where a collection of Paeonies is wanted at small cost can safely recommend them to give satisfaction.

**Alba Pleno.** Creamy white.

**Festiva.** Pure white.

**Queen Victoria.** Rosy white.

**Lord Wellington.** Dark red.

**Hamlet.** Fine rose.

**Torbecke.** Pink.

**Duc. de Aremburg.** Red.

**Pottsil rosea alba.** Rose and white.

**Prince Aremburg.** Rosy red.

**Raphael.** Fine rose and white.

**Mons. Hoboken.** Violet-red.

**Victor Hugo.** Clear rose-red.

**Any of the above varieties 20c. each, \$2.25 per doz.**

## HARDY PHLOX

The hardy Phloxes are without doubt the most important of all hardy perennials, and are now to be found in almost every garden. They succeed in almost any kind of soil or position, and flower from early summer until late in the fall; they also improve from year to year, and contain a range of brilliant colors not found in any other hardy plant. We have a very fine collection of them.

**Alceste.** Bright pink, deep red center.

**Amphitryon.** Large; lavender, beautifully streaked with white.

**Aurora Borealis.** Orange with purple center.

**Boquet Fleuri.** White, carmine eye.

**Caran d'Ache.** Rosy carmine.

**Chas. Darwin.** Salmon pink, crimson center.

**Coquelicot.** Orange scarlet, crimson center.

**E. Starke.** Very large; dark red shading to purple.

**Epopée.** Violet; bright fiery center.

**Fernand Cortez.** Deep crimson; dark center.

**Gen. Chanzy.** Bright pink, tinted salmon.

**Hector.** Fine pink.

**Independence.** Large, pure white.

**J. H. Slocum.** Rose pink, with crimson eye.

**Jules Jouy.** Lilac rose, white center.

**L'Evenement.** Delicate pink, tinted with salmon; showy.

**La Cygne.** Large, pure white.

**Lord Raleigh.** Dark violet, purple center.

**Mme. P. Langier.** Bright red, vermillion center.

**Premier Ministre.** Rosy white, deep rose center.

**Queen.** Pure white.

**Richard Wallace.** White, violet center.

**R. P. Struthers.** Pinkish salmon, crimson eye.

**White Swan.** Large, pure white.

**Wm. Ramsey.** Purplish magenta, darker center.

**Price, Strong Field-grown Plants, 15c. each, \$1.50 per doz., \$10.00 per 100.**

**Collection, 1 plant each the above 25 varieties for \$3.00.**





—NEW—

LARGE-FLOWERING

# JAPAN IRIS

*Iris Kaempferi*  
*Grandiflora*

**T**HE magnificence of these new Irises surpasses description. The flowers are of enormous size, averaging from 6 to 8 inches across, and of indescribable and charming hues and colors, varying like watered silk in the sunlight, the prevailing colors being white, crimson, rose, lilac, lavender, violet and blue, each flower usually representing several shades, while a golden yellow blotch surrounded by a halo of blue or violet at the base of the petals intensifies the wealth of coloring. The Japan Iris is perfectly hardy, and flowers in greatest profusion in June and July, and attains greatest perfection if grown in moist soil, or if plentifully supplied with water while growing and flowering.

The following varieties have been selected from a large collection, grown by a famous Japanese horticulturist, and recognized as the finest assortment of Japanese Iris known. The different varieties having Japanese names, we have deemed it advisable to distinguish the various sorts by numbers, as follows:

1. White, yellow center, veined.
2. Dark purple edge, running to a blue and yellow center, under part of flower lavender.
3. Very, very light blue, white veined, yellow center, inner petals of flower tinged with dark blue.
6. Maroon, yellow center, inner petals white with a purple top.
7. Yellow center, dark blue shading into light blue and white, rather streaked, inner petals purple tipped.
8. White, dark purple veins, yellow center, dark purple shading to white inner petals.
9. Dark red, black and white veins, yellow center, white and purple inner petals.
11. White, well spotted dark pink shading into pink at the edges, and yellow center with a little purple border.
12. Dark purple, bright yellow center, dark blue inner petals.
19. Yellow center, blue, black veins, inner petals red with red veins and blue spotted with white.
23. Yellow center, dark purple varying into a lighter shade towards the edges, well veined, blue inner petals.
26. Yellow center, shading into light purple, then a light red, then a darker red, well spotted with a very dark red.
32. Very dark blue, yellow center, with purple inner petals.
33. Yellow center, white and blue stripes, shading into a light violet, darker towards the edges with a much heavier shade of violet directly on the edge, inner petals white tipped with dark violet.
34. Yellow center, with rather a dark purple shading into a light red and a dark red near the edges, well veined, inner petals white with purple edges.
35. Yellow center, white flower with a very dark purple edge or border.
36. Yellow center, very dark red flower, heavily veined, inner petals white and dark purple.
37. Yellow center, blue flower shading into dark purple near the edge and border, white veining, inner petals very dark purple.
40. Yellow center, light and dark blue, well spotted with very dark blue, inner petals white and dark purple.
41. Yellow center, dark purple, shading into light purple and darker purple again at the edges, well veined, inner petals of a light purple.
42. Orange center, rather a gray white, shading into pure white at the edges, white veins.
43. Yellow center, very dark red, shading into a lighter red with rather a white and pink tipping; white spots appear occasionally on this flower, inner petals of light and dark purple.
46. Yellow center, entire flower is of dark purple, except the middle of each petal, which is rather a light blue, shading into a dark purple.
50. Orange center, red with a little darker shade on the edge, well veined, center petals white, purple border and a light red.

Price of any of the above named varieties, 25c. each, \$2.50 per doz.; or a complete collection, one each of the above 24 varieties, \$4.50. Large undivided roots.



## CLEMATIS

### Large-Flowering Varieties

The Clematis we offer this season are exceptionally fine strong plants, two years old; we have reduced the number of varieties to such sorts as from experience we know to succeed best in our climate. Many failures in the growing of Clematis are the result of too shallow planting; the crown of the roots should be set at least 3 inches below the surface of the soil. For covering walls, trellises and verandas they have scarcely an equal.



*Clematis, M. Koster.*

**Jackmanni.** The best-known and most valued variety of this popular family. A perfect mass of bloom when in full flower. Color, dark, rich, royal purple. 50c. each.

**Duchess of Edinburgh.** This variety is perfectly double, like a rosette. It is sweetly fragrant, and equally hardy and vigorous with the others. 50c. each.

**Banholm Belle.** Large and very fine pure white. 40c. each.

**Fairy Queen.** White, with light lilac bars, 50c. each.

**Gipsy Queen.** Rich, dark purple. 40c. each.

**Henryii.** Pure white, large and remarkably handsome. 40c. each.

**Madame Baron Veillard.** Light lilac; a peculiar but fascinating and distinct shade. 50c. each.

**Sieboldii.** Lavender blue, large, strong, vigorous grower. 40c. each.

**M. Koster.** (See cut.) A very free-flowering variety, bright rosy carmine. Each \$1.00, doz. \$10.00.

Collection, 1 plant each of above 9 varieties, for \$4.00, delivered free anywhere in the United States.

### SMALL-FLOWERING VARIETY

**Paniculata** (*Japanese Virgin's Bower*). This handsome hardy climber is one of the choicest and most satisfactory climbing flowering plants we know. The plant is of strong, rapid growth, with small, dense, cheerful green foliage, giving it a grace and elegance possessed by no other hardy climber, and even did it not flower at all it would be one of our most desirable vines. The flowers appear in the greatest profusion during August, and continue until late in the fall, are of a white color and most deliciously fragrant. The plant succeeds in almost any position; not only is it well adapted to run up all kinds of supports, but is just as useful for planting among rockwork, sloping banks, covering graves, or, in fact, any position where a graceful vine is desired. Strong two-year-old plants, each 25c., doz. \$2.50; strong one-year-old plants, each 15c., doz. \$1.50.

**Hollyhocks, Superb Double.** Few hardy plants combine as many good qualities as the hollyhock. The hollyhocks require a rich, deep soil, well drained, and will repay in quantity and elegance of bloom any extra care. We offer well-established, thrifty young plants which will flower this season in white, yellow, pink, bright red, maroon and sulphur, at 20c. each, per doz. \$2.00; strong pot-grown plants, per doz. \$2.50, per 100 \$20.00.



*Clematis Paniculata.*



# HARDY SHRUBS

**Hibiscus Syriacus (Althea, or Rose of Sharon)**. This has become one of the most popular flowering shrubs, coming in flower, as it does, in July and August, when few shrubs are in bloom. The entire plant is covered with beautiful double flowers, which, at a distance, look like roses. They make a very pretty flowering hedge.

**Double.** Red; 2 to 3 feet . . . 25c. each, \$2.50 per doz.  
 " White; 2 to 3 feet . . . 25c. " 2.50 " "  
 " Blue; 2 to 3 feet . . . 25c. " 2.50 " "

**Berberis Thunbergii.** Of dwarf, compact habit. The white flowers appear the last of May, followed by berries in great abundance which turn to a deep scarlet color, and they continue this color all winter. The foliage turns to a glowing red in autumn. It is much used for ornamental hedging and for planting in masses. 18 to 24 in. 30c. each, \$3.00 per doz.

**Calycanthus floridus (Strawberry Shrub).** An interesting shrub, having a rare and peculiar fragrance of wood and flowers; its blooms are abundant and of a peculiar chocolate color. 2 to 3 feet 40c. each, \$4.00 per doz.

**Deutzia crenata fl. pl.** Flowers double, white, tinged with rose; one of the most desirable shrubs in cultivation. 2 to 3 feet 25c. each, \$2.75 per doz.

**D. gracilis.** Of a dwarf, bushy habit; the racemes of white flowers completely cover the plant, making it one of the most attractive shrubs of the season, blossoming in June. 18 to 24 in. 30c. each, \$3.00 per doz.

**D. Lemoinei.** The branches are entirely covered with erect panicles of large, snow-white flowers, quite distinct from all other Deutzias; one of the best dwarf varieties; fine for forcing. 2 to 3 feet 35c. each, \$3.60 per doz.

**Forsythia viridissima.** Bright yellow flowers which appear early in the spring. 2 to 3 feet 25c. each, \$2.50 per doz.; 3 to 4 feet 35c. each, \$3.60 per doz.

**Hydrangea paniculata grandiflora.** One of the most popular shrubs in cultivation, blooming at a time when few other shrubs are in flower; bearing immense panicles of pure white flowers, which appear in Aug., turning to a delicate pink and remaining till late in the autumn. Spikes of flowers have been known to measure 12 inches long by 22 inches in circumference. 2 to 3 feet 25c. each, \$2.75 per doz.; 3 to 4 feet 50c. each, \$5.00 per doz.; standard or tree 75c. each, \$8.00 per doz.; standard or tree, extra size, \$1.00 each, \$10.00 per doz.

**H. hortensia (Garden Hydrangea).** A well-known variety, used for porch decoration and Easter forcing. The flower heads are large, showy and of a pretty pink tint which may be changed to blue by the use of iron filings in the soil. 50c. each; strong plants \$1.50 each.

**Hypericum densiflorum.** A low, densely-branched shrub, bearing small, yellow-flowers in Aug.; very fine. 2 to 3 feet 40c. each, \$4.00 per doz.

**Kerria japonica (Corchorus).** (Globe Flower). A slender, green branched shrub, covered with a profusion of globular yellow flowers from July to Oct. 2 to 3 feet 25c. each, \$2.75 per doz.

**Syringa vulgaris (Lilac).** The well-known, old fashioned Lilac, bearing spikes of handsome purple flowers in spring. 2 to 3 feet 25c., \$2.75 per doz.

**S. vulgaris alba.** Similar to the above, but having white instead of purple flowers. 2 to 3 feet 40c. each, \$4.50 per doz.

**Coronarius (Garland Mock Orange).** This is the popular well-known variety; very sweet and one of the first to flower. 25c. each, \$2.75 per doz.

**Golden Elder.** One of the most showy shrubs grown, on account of its golden foliage. Very desirable for ornamenting lawns; with *Prunus Pissardii* there is nothing finer. 2 to 3 feet 25c. each, \$2.75 per doz.

**Prunus Pissardii (Purple-Leaved Plum).** The best purple-leaved shrub or small tree yet introduced. The leaves, as well as the young branches, are a rich tint of dark, reddish purple, which deepens as the season advances, an advantage over other trees and shrubs, which generally fade to a dull green. A fine grower, handsome and unique. A splendid plant to go with the golden elder. 2 to 3 feet 25c. each, \$2.75 per doz.; specimen plants \$1.50 to \$2.00 each.

**Spiræa Anthony Waterer.** A valuable and distinct variety; color bright crimson; it is of dwarf, dense growth, never exceeding 30 inches in height; in bloom the entire summer and fall. 25c. each, \$2.75 per doz.

**S. Prunifolia fl. pl. (Bridal Wreath).** A beautiful shrub from Japan, with pure white flowers like white daisies in May. Keeps in flower a long time, and justly merits to be placed in the front rank among flowering shrubs. 2 to 3 feet 25c. each, \$2.75 per doz.

**S. Van Houttei.** One of the most charming and beautiful of all the Spiræas, having pure white flowers in clusters or panicles about an inch in diameter, drooping almost to the ground. Astonishingly profuse in bloom, and plants remarkably vigorous and hardy. 2 to 3 feet 25c. each, \$2.75 per doz.

**Symphoricarpos racemosus (Snowberry).** A slender branched, upright growing shrub with small pink flowers, followed by showy, pure white berries, which cling to the branches a long time. 2 to 3 feet 25c. each, \$2.75 per doz.

**Viburnum opulus sterilis.** (Common Snowball) Clusters of white flowers in June. 2 to 2½ feet 30c. each, \$3.00 per doz.

**V. plicatum (Japanese Snowball).** Of moderate growth, compact habit; leaves of a rich, dark green color; flowers whiter than the common variety, some weeks later and remain on much longer. One of the choicest and most desirable shrubs grown. 2 to 3 feet 35c., \$3.75 per doz.

**Weigelia Eva Rathke.** A new and exceedingly showy variety, decidedly the best of its color. An almost continuous bloomer, flowers of a brilliant crimson; a beautiful, distinct, clear shade; the plant while in bloom is almost as fine as an Azalea. 2 to 3 feet 35c. each, \$3.60 per doz.

**W. Kosteriana foliis variegatis.** Of dwarf, compact growth, leaves bordered with yellow; flowers deep rose; fine. 2 to 3 feet 25c. each, \$2.75 per doz.

**Collection, 1 each any of the above 12 Shrubs listed at 25c. to 40c. each for \$3.50**



# HARDY VINES AND CREEPERS



*Ampelopsis Veitchii* on St. Paul's Church, N. Y.

## AMPELOPSIS VEITCHII

Sometimes called Boston Ivy and Japan Ivy

This is the most deservedly popular of all climbing plants, being entirely hardy in the most exposed places, attaining a height of 30 feet in two or three years, clinging to stones, brick or woodwork with the greatest tenacity. During the summer the leaves are a rich shade of green, and lap over each other with great regularity, like a coat of mail or like slates on a roof. But it is in the fall that it shows its exquisite beauty. The leaves then change to the brightest tints of scarlet, crimson and orange, so dazzling as to be seen at a great distance. Extra strong plants, 50c. each, \$5.00 per doz.

## BIGNONIA (Trumpet Creeper)

For covering unsightly places, stumps, rockwork or planting in crevices in ledges, the Bignonias will be found very useful. The flowers are large, attractive and showy, and borne profusely when the plant attains a fair size, 30c. each, \$3.00 per doz.

## HONEYSUCKLE

**H. aurea-reticulata** (Golden Variegated Honeysuckle). Foliage handsomely variegated with gold and green during summer, and adding a charming tint of pink during the winter months. 35c. each, \$3.60 per dozen.

**H. Halleana** (Hall's Japan Honeysuckle). A strong, vigorous, almost evergreen sort, white flowers changing to yellow; very fragrant; flowering from July to Dec.; holds its leaves nearly all winter. 35c. each, \$3.60 per doz.

## MATRIMONY VINE

A vigorous, hardy climbing plant. It covers a great amount of space in a short time, and every new growth is at once covered with bright purple flowers, which are succeeded by brilliant scarlet berries nearly an inch long. It will grow and thrive in any situation, either shade or bright sunlight. 35c. each, \$3.60 per doz.

## WISTARIA

**W. sinensis** (Chinese Wistaria). A most beautiful climber of rapid growth. When well established it makes an enormous growth, 15 to 20 feet in a season. Has long pendulous clusters of pale blue flowers in May and June. 5-year-old plants, extra fine, \$1.00 each, \$10.00 per doz.; 3-year-old plants, 50c. each, \$5.00 per doz.

# HEDGE PLANTS

**California Privet.** One of the most satisfactory plants for hedges known at the present time. Glossy green foliage, easily kept in shape, and of fine symmetrical habit naturally. Price, 18 to 24 in. high, 2-year-old, 100 \$3.00, 1000 \$25.00; 24 to 28 in. high, 2-year-old, 100 \$5.00, 1000 \$40.00; 28 to 36 in. high, 2-year-old, 100 \$6.00, 1000 \$50.00. Large bushy plants, 7 to 12 feet high, \$1.00 to \$3.00 each; \$10.00 to \$30.00 dozen.

**Armour River Privet.** The same as California Privet but much hardier. Price, 18 to 30 in. high, bushy, 100 \$6.00, 1000 \$50.00; 36 to 42 in. high, bushy, 100 \$10.00, 1000 \$90.00.

We always have large stocks of privet and can supply in quantities up to one hundred thousand. Special prices on large lots on application.



A Beautiful Hedge of California Privet.



# FRUIT TREES AND SMALL FRUITS

We recommend Northern-grown fruit trees to our customers, as they will be found to give better satisfaction than Southern or Western-grown trees. We furnish excellent clean trees, which, if planted carefully, are almost sure to succeed. Trees, when received, should be planted at once in rich, prepared soil, the roots being carefully separated and spread. If dry weather follows planting, the trees must be watered and mulched. Branches of last season's growth should be well cut back, thus encouraging the vigorous growth of new healthy shoots.

## APPLES

### SUMMER VARIETIES

**Early Harvest.** Pale yellow, medium size. August.

**Red Astrachan.** Crimson; large; fine. August.

**Sweet Bough.** Pale yellow; very rich. August.

### AUTUMN VARIETIES

**Fall Pippin.** Yellow; delicious. October.

**Gravenstein.** Striped. September to November.

**Maiden's Blush.** Yellow, with red cheek. October.

### WINTER VARIETIES

**Baldwin.** Red; large; excellent.

**Ben Davis.** Yellow and red; large and luscious.

**Fameuse, or Snow Apple.** Very fine.

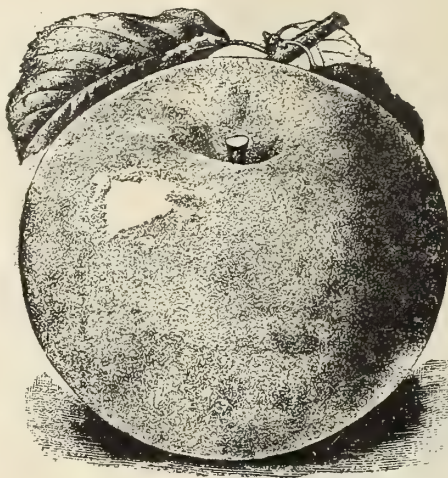
**King.** Crimson; extra large and fine.

**Northern Spy.** One of the best; large.

**Rhode Island Greening.** Excellent.

**Roxbury Russet.** Medium size; splendid. October.

PRICE: XX \$1.00 each, XXX \$1.50 each.



Apple.

## PEARS

### SUMMER VARIETIES

**Bartlett.** A splendid summer variety. September.

**Clapp's Favorite.** Yellow and red; large. August.

### AUTUMN VARIETIES

**Belle Lucrative.** Green; sweet; large. September.

**Louis Bonne.** Large, long, melting. October.

**Seckel.** Small; one of the sweetest. September.

### WINTER VARIETIES

**Beurre d'Anjou.** Large; unsurpassed flavor. November.

**Duchesse d'Angouleme.** Very large; rich.

**Lawrence.** Medium; delicious quality.

PRICE: XX \$1.00 each, XXX \$1.50 each.



Standard Bay Tree.

## CRAB APPLES

**Red Siberian.** Yellow and scarlet; medium.

**Yellow Siberian.** Deep yellow; medium; fine.

## CHERRIES

**Black Tartarian.** Purplish black; very rich. June.

**Governor Wood.** Yellow, with red cheek. June.

**Yellow Spanish.** Pale yellow, with bright red cheek; large and juicy.

PRICE: XX 75c. each, XXX \$1.25 each.

## PEACHES

**Champion.** Freestone: white and red; large and juicy. Excellent new sort. August.

**Crawford's Early.** Freestone; yellow and red. September.

**Crawford's Late.** Freestone; very large. October.

**Elberta.** (New.) Freestone; large, handsome, golden yellow and crimson; very productive. The best early sort for market.

**Hale's Early.** Freestone; rich and juicy. August.

PRICE: XX 50c. each, XXX 75c. each.

## PLUMS

**Bradshaw.** Large; purple; sweet. August.

**Coe's Golden Drop.** Large; oval; yellow. September.

**Damson.** Small; for preserving. October.

**Imperial Gage.** Large; oval; green; very sweet. September.

**Jefferson.** Yellow and red; fine. August.

**Lombard.** Violet-red; medium. September.

**Pond's Seedling.** Violet; large and juicy. September.

**Smith's Orleans.** Purple; very rich. September.

PRICE: XX 75c. each, XXX \$1.25 each.

## QUINCES

**Apple or Orange.** Large; round; yellow.

**Champion.** Extra large; pyriform.

PRICE: XX \$1.00 each, XXX \$1.50 each.

# BAY TREES

The Bay Trees we offer are well-shaped, close heads, with strong stems. We will allow a discount of 10 per cent. from these prices, if order is placed with us before March 15. We ship Trees any time after April 15.

### PRICE STANDARDS.

Diameter of Crown.	Height of Stem.	Height of Tree.	Price per pair.
30 inches	4 feet	6½ feet	\$20.00
34 "	4 "	7 "	24.00
36 to 40 "	4½ "	7¼ "	32.00
40 to 45 "	4½ "	7½ "	38.00
45 to 48 "	4¾ "	7¾ "	45.00
48 to 50 "	5 "	8 "	50.00

## PYRAMIDAL

	Pair.
5 feet high, well-shaped.....	\$20.00
5½ " " " " .....	24.00
6 " " " " .....	30.00

PRICES on larger sizes on application.



Pyramidal.



# FRUIT, VINES AND PLANTS



Grape.

## HARDY GRAPE VINES

- Campbell's Early.** (New.) Large black berries with light purple bloom; rich flavor; very sweet. 30c. each.
- Agawam.** Red; large, juicy and aromatic. 30c. each; very strong plants, 50c.
- Wilder.** A fine black variety; large bunches; sweet. 30c. each; very strong plants, 50c.
- Brighton.** Very early; large red. Equal to Delaware in flavor and richness. 75c. each.
- Calawha.** Late red; somewhat pulpy; very sweet and rich; of an aromatic musky flavor. Best in sandy soils. 30c. each.
- Concord.** Early, large black; tender, pulpy, with a sweet foxy flavor. Does well everywhere and is always reliable. 50c. each.
- Concord Chasselas.** Early, very large, rich amber. Free from foxiness. 75c. each.
- Delaware.** Early, small, light red; juicy with very soft pulp. Very productive and requires a rich soil. 50c. each.
- Hartford Prolific.** Extra early, large and very productive. Desirable for home use. 50c. each.
- Moore's Diamond.** Quality of fruit equals many of the hothouse grapes. It is one of the earliest and ripens 2 to 4 weeks ahead of Concord. Price 30c. each; \$3.00 per dozen.
- Green Mountain.** Color, greenish white. This extra early delicious grape originated in the mountains of Vermont, has been tested for several seasons and is proving the earliest white grape known. Price 30c. each; \$3.00 per dozen.
- Niagara Early.** Large, white, tender and sweet; bunches very compact. A popular white sort. 50c. each.
- Moore's Early.** Berries large black. Bunches large and very compact. 50c. each.

## STRAWBERRIES

### Strong Layer Plants

Our layer strawberry plants are well grown selected plants, with long fibrous bushy roots, and if planted early in the

spring in rich light soil, may give a crop of berries the first season.

**Gandy.** One of the best late strawberries. In size and firmness it is all that can be desired. The berries are large, very uniform in size and shape, of bright crimson color, handsome and showy, very firm and of good quality.

**Glen Mary.** A superb variety, which unites large size, great productiveness and good quality; bright glossy crimson, and fine in flavor. The plant is strong and healthy; very prolific.

**Marshall.** A superb variety, especially desirable for its large size and fine flavor; dark crimson when fully ripe, handsome and good. Its excellent quality, fine flavor, large size render it admirable for table use. Mid-season.

**Sample.** Berries large, brilliant red; heart-shape, glossy, solid light red flesh; good quality and productive—a good-sized plant and a good grower. Mid-season.

**Nick Ohmer.** The plant is a good grower, of large size, free from rust; makes a good number of plants and bears very heavy crops. The fruit is very large, one of the largest; dark, glossy red, firm, of good quality. It has a long season, extending from early medium to late. It is especially adapted to hill culture.

**Oom Paul.** (Perfect flowers.) This seems to be one of the largest berries so far introduced and is very firm for such a large berry. Will stand shipping with any of the very large varieties and we believe better than most of them. It is a large, thrifty, open-growing plant with glossy dark green foliage, making sufficient plants for a good fruiting row and is free from rust. Is of fine color and of good quality. Extra large berries always command fancy prices. Valuable for home or commercial purposes. It seems to be the consensus of opinion among fruit growers that the Oom Paul is the best acquisition to the strawberry family for years.

**New York.** This giant of the strawberry family is a cross of the well-known Bubach and really astonishing when grown on good soil and with generous culture. Berries dark scarlet, changing to crimson when fully ripe, coloring all over at once; excellent in quality. In growth of plant it is exceedingly vigorous, with foliage that is large, bright and clean. For such a large berry it is a great bearer.

**Rough Rider.** A new strawberry highly recommended; plants very vigorous, fruit large and attractive.



Oom Paul.

Price, 25 for 50c., 100 for \$1.50, per 1,000 \$10.00. Special prices on larger quantities. Our mid-summer catalogue of Pot-Grown Strawberry plants ready June 1, mailed free.

## CURRENTS

**Cherry.** A strong growing variety. Fruit of the largest size deep red, \$1.50 per doz.; \$6.00 per 100.

**Fay's Prolific.** Very large and exceedingly productive. Bunches of immense size. A popular red currant. \$1.50 per doz.; \$10.00 per 100.

**Red Dutch.** The most prolific and best flavored of the old red varieties. \$1.00 per doz.; \$6.00 per 100.

**White Grape.** The best white variety. Berry large, beautiful. Best quality. \$1.00 per doz.; \$6.00 per 100.

For less quantities of fruit plants then quoted, higher rates are charged, except that six may be had at dozen rates and 50 at 100 rates.

## RASPBERRIES

**Brinckle's Orange.** Large fruit of a beautiful buff or amber color. One of the richest flavored berries. 75c. per doz.; \$5.00 per 100.

**Cuthbert.** Fruit red, large and sweet. Very hardy. 75c. per doz.; \$5.00 per 100.

**Gregg.** A new blackcap of the largest size; very productive and of excellent quality. 75c. per doz.; \$5.00 per 100.

## BLACKBERRIES

**Dorchester.** Medium; fruit firm, sweet and high-flavored. A vigorous grower, producing large crops. 75c. per doz.; \$5.00 per 100.

**Kittatiny.** A stout, erect and vigorous growing kind. Fruit large and delicious. 75c. per doz.; \$5.00 per 100.

**New Rochelle or Lawton.** Fruit very sweet and delicious when well ripened. 75c. per doz.; \$5.00 per 100.

**Wilson's Early.** Very good, large, firm and sweet; hardy and productive, and one of the earliest in fruit. 75c. per doz.; \$5.00 per 100.

## GOOSEBERRIES

**Downing.** Pale green, large, prolific and good. Best for home and market use. \$1.00 per doz.; \$7.50 per 100.

**Houghton's Seedling.** Small to medium; fruit oval, pale red. Very productive and free from rust. 90c. per doz.; \$6.00 per 100.

**Smith's Improved.** Large, pale, greenish yellow; skin thin. Excellent quality. \$1.00 per doz.; \$10.50 per 100.



# Immense Crops Without Fertilizers

A new, sure, and easy way has recently been discovered to make worn-out or poor land enormously productive without fertilizers and almost without expense. Plants need nitrogen—can't grow without it. Heretofore fertilizers have been needed to put nitrogen into the soil. Nitrogen is very necessary—is the most expensive part of fertilizers. The new way is easier, surer, cheaper—it is to let nitrogen gathering germs feed the plants.

The soil is full of air. Air is four-fifths free nitrogen. Think what limitless plant food, in the form of free nitrogen, the air contains. Right here the new discovery comes in. Plants can't extract nitrogen from the air, but there are germs that can. These germs have been discovered and are now being used for that purpose.

These germs, when put into the soil, fasten themselves to the roots of the plants, draw the free nitrogen out of the air, and feed it to the plants. That's the secret of the new way that is making many farmers rich. The germs do the work—the farmer gets the profit. They save expense, reduce the work, increase the crop enormously, even make it possible to grow Alfalfa and other crops where they never would grow before.

The new way saves the cost of fertilizers and is very easy to use. The germs come ready for use, in a form called Nitro-Culture. Nitro-Culture is put up in small dry packages you can put in your vest pocket. Simply add it to water, and sprinkle the water over the seeds before planting. The germs remain on every seed—live with it—increase about it—feed the roots when they start and keep on feeding them. They also enrich the soil by storing nitrogen in it so that the second year's crop, whatever it may be, is increased from two to ten times.

## THE U. S. DEPARTMENT OF AGRICULTURE SAYS:

"It is worse than useless to attempt to grow any leguminous crop without being certain of the presence of the bacteria which enable the plants to fix free nitrogen. Certain regions are practically devoid of the right kind of bacteria, and unless some artificial means of inoculating the germs be resorted to the crop will be a failure."

## PRICE LIST

Nitro-Culture, sufficient to inoculate the following seeds per acre, mailed to any address in the United States or Canada at the following prices:

Alfalfa .....	per acre, \$2.00	Soy Beans .....	per acre, \$2.00
Red Clover .....	" 2.00	String Beans .....	" 2.00
Crimson Clover .....	" 2.00	Vetch .....	" 2.00
Japan Clover .....	" 2.00	Velvet Beans .....	" 2.00
Cow Peas .....	" 2.00	Peanuts .....	" 2.00
Garden Peas .....	1/2 acre, 1.00	Horse Beans .....	" 2.00
Sweet Peas .....	1/2 acre, 1.00	Lima Beans .....	" 2.00
Wax Peas .....	per acre, 2.00		

Guaranteed to keep six months from date of shipment and can be used within that time.

## GENUINE PERUVIAN GUANO

**Peruvian Guano Contains More Than Twice as Much Plant Food** as most of the so-called special fertilizers sold at \$30 to \$40 per ton. For example the grade we offer contains:

20.00%	of Lime
3.75%	of Ammonia
39.00%	of Bone Phosphate
4.00%	of Potash
24.25%	of Organic Matter,

making a total of 91.00 lbs. in every hundred that are

## EMERALD LAWN DRESSING

A clean, portable and convenient lawn dressing, which we have found to be never failing in inducing a rapid and rich green growth. It should be sown broadcast in the spring or fall, though it can be put on during the summer without injury or danger of burning the grass, and a remarkable improvement will soon be observed. It is in every way more desirable than manure, which is so often full of weed seeds. The use of "Emerald Lawn Dressing" entirely does away with the

old practice of top-dressing lawns with stable manure, which was so objectionable on account of unsightliness and disagreeable odors.

**Quantity Required.** A 10-lb. package is sufficient to go over an area of 300 square feet, or for forming a new lawn, from 1,000 to 1,500 lbs. per acre, or a smaller quantity for renovating an old one. Price, 4-lb. package, 15c., 50-lb. bag \$1.50, 100-lb. bag \$2.50, per ton of 2,000 lbs. \$40.00.



Specimen plants characteristic of uninoculated and inoculated field of Alfalfa, on farm near Bynum, Harford County, Maryland. The uninoculated plants turning yellow, though sown on ground richer and better than the inoculated field. Gain from inoculation with Nitro-Culture nearly 500 per cent. by weight.



# FERTILIZERS

## S. & W. Co.'s Garden Fertilizer

For Vegetables and Flowers

Strictly high grade, containing all the elements needed by vegetables and flowers for their quick growth, early maturing and perfect development. The ingredients are quickly soluble, and immediately commence to feed the plants, stimulating them into healthy, luxuriant growth, and it continues to feed them until the end of the season. A 10-lb. package is sufficient for a space 15x20 ft. for one application, or 500 to 600 lbs. per acre. Instructions on each package. Price, 5 lbs., 25c.; 10 lbs., 45c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; 200 lbs., \$5.00; per ton, \$45.00.

## Clay's Celebrated Fertilizer

On account of the high reputation which this Fertilizer has in England, and as we have had many inquiries for it by gardeners here, we have imported some from Messrs. Clay & Son, which we offer at the following prices. It is undoubtedly one of the best manures for all horticultural purposes, either in greenhouse or garden, and we believe its high reputation is well deserved. It is productive and lasting, and notwithstanding its apparently high price, it is quite economical. Prices, in bags, 1 cwt. (112 lbs.), \$7.00;  $\frac{1}{2}$  cwt. (56 lbs.), \$4.00;  $\frac{1}{4}$  cwt. (28 lbs.), \$2.25;  $\frac{1}{8}$  cwt. (14 lbs.), \$1.25.

## Raw Bone Meal—Best Grade

The best all-around Fertilizer for garden, lawn and farm. Our Raw Bone Meal is made from Hard Bones, is evenly ground, and very white and pretty in appearance. For such as prefer a raw to a steamed Bone we recommend our Raw Bone Meal—nothing finer can be made.

## Quick-Acting Bone Flour

This bone is ground as fine as it is possible to have it, and where a high grade bone is wanted for immediate results we recommend its use. Price, per 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 90 lbs., \$2.70; per ton, \$45.00.

## General Use Bone

This bone is ground to about pin-head size, with a fair percentage of flour bone, and where a high grade bone for immediate and continuous use is wanted, would advise using this grade. Price, per 5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., \$1.40; 100 lbs., \$2.50; per ton, \$40.00.

## Top Dressing Bone

For top dressing lawns, and use in gardens. Price, in barrels only, 200 lbs., \$4.00; ton, \$34.00; per 5 tons, \$150.00.

## Vine and Tree Bone

For use on Grape or any vines or trees, about the size of a pea. Price, per 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; per ton, \$45.00.

## Pure Pulverized Sheep Manure

A pure, natural and nutritious manure: Immediate and lasting in effect. Excellent for mixing with the soil for greenhouse plants. In the vegetable garden it promotes a rapid, steady growth until maturity. It makes a rich Liquid Manure.

**Quantity required.** For garden and field crops, 1 to 2 tons per acre; one-half before plowing, the balance before harrowing. For top-dressing grass, use 1 ton per acre, applied in fall or early spring.

Price, 100-lb. bag, \$2.00; per ton of 2,000 lbs., \$30.00. In packages of 2 lbs., 15c.; 5 lbs., 25c.; 10 lbs., 40c.

## Mapes' Celebrated Fertilizers

The highest grade commercial fertilizers, their basis being bone, no rock being used in their composition. All fertilizing constituents, nitrogen, potash and phosphoric acid, are strictly high grade and soluble. *Mapes' Catalogue*, giving analysis and telling how to use these fertilizers, we mail free on application.

	Per 100 lbs.	Per bag 200 lbs.	Per 2,000 lbs.
Potato manure . . . . .	\$2 50	\$4 50	\$42 00
Corn " . . . . .	2 50	4 50	40 00
Cabbage and cauliflower manure . . . . .	2 50	4 50	40 00
Vegetable manure for all soils . . . . .	2 75	5 00	44 00
Fruit and vine manure . . . . .	2 75	5 00	44 00
Orange and fruit tree manure . . . . .	2 75	5 00	40 00
Grass and grain spring top-dressing . . . . .	2 75	5 00	44 00
Complete manure, "A" brand . . . . .	2 50	4 50	40 00
Complete manure, for general use . . . . .	2 50	4 50	40 00
Complete manure, for heavy soils . . . . .	2 75	5 00	44 00
Complete manure, for average soils . . . . .	2 25	4 50	40 00
Complete manure, for light soils . . . . .	2 75	4 50	44 00
"Cereal" brand, for farm crops . . . . .	2 00	3 50	32 00

## Bowker's Ammoniated Food for Flowers

Made especially for plants grown in the conservatory, house or garden; clean, free from offensive odor. Full directions with each package. Small size, 15c.; large size, 25c.; by mail, 20c. and 30c.

## S. & W. Co.'s Rose Brand Plant Food

For house plants; the best and most effective odorless plant food offered in the market.

Price, small pkt., 15c.; by mail, 20c.; large pkt., 25c.; by mail, 30c.

## Ashes

Canada Hard Wood

Drive away insects and improve the texture of the soil; indispensable for all crops requiring potash; very beneficial for garden and field crops; of high value for grass lands and lawns.

**Quantity required.** Apply 1 to 2 tons per acre, as one heavy application will help much more than the same quantity would applied in fractions.

Price, per bbl. of about 200 lbs., \$2.00; per ton of 2,000 lbs., in bbls., \$18.00. Special prices in bulk.

## Nitrate of Soda

Valuable solely for the nitrogen it contains. It is chiefly a stimulant, used in addition to other fertilizers. It is quick in action and hastens crop maturity.

**Quantity required.** Being extremely soluble, it is usually applied after the plants are above ground, 100 to 500 lbs. per acre.

Price, per 5-lb. package, 40c.; 10-lb. package, 70c.; 25-lb. bag, \$1.50; 50-lb. bag, \$2.50; 100-lb. bag, \$4.50.



# REMEDIES FOR INSECTS AND FUNGUS

## FIR TREE OIL

The best insecticide in the market for greenhouse and house plants; it frees plants of nearly all insects to which they are subject, and for the following it has no superior: Mealy bug, scale, red spider, aphids (black and green), thrips, blight, worms and slugs, and is also a valuable remedy for animal parasites and insects. Price,  $\frac{1}{2}$ -pt. tin 40c., pt. 75c., qt. \$1.25,  $\frac{1}{2}$  gal. \$2.25, gal. \$4.00. Directions for use on each can.

## FIR TREE OIL SOAP

A formula of the above Fir Tree Oil, prepared in soap form and preferred by some. It will do all claimed for the fluid preparation. Price,  $\frac{1}{2}$ -lb. tins, 25c., 2 lbs. 75c., 5 lbs. \$1.70, 10 lbs. \$3.25.

**Dry Bordeaux Mixture.** Ready for use by simply adding water. 1-lb. box 20c., makes 5 gallons spray; 5-lb. box 75c., 50-lb. keg \$6.00, 100-lb. keg \$10.00.

**Rose Sulpho-Tobacco Soap.** For plants, trees, cattle, poultry, etc. Packages 10c.,  $\frac{1}{2}$ -lb. packages 25c.

**Tobacco Dust.** 1 lb. 10c., 5 lbs. 25c., 100 lbs. \$3.50,

**Whale Oil Soap.** 1 lb. 15c., 2 lbs. 25c., 5 lbs. 50c.

**Persian Insect Powder.** For roaches, ants, fleas, etc.  $\frac{1}{4}$  lb. 10c., 1 lb. 35c., 5 lbs. \$1.60.

**Flowers of Sulphur.** For mildew. 1 lb. 10c., 5 lbs. 40c., 10 lbs. 60c., 100 lbs. \$5.00.

**Paris Green.** 1 lb. 25c., 5 lbs. \$1.00, 100 lbs. \$10.00.

**London Purple.** 1 lb. 20c., 5 lbs. 90c.

**Slug Shot.** 5 lbs. 30c., 10 lbs. 50c., 100 lbs. \$4.00.

**Grape Dust.** For mold, mildew or rust mites, either in greenhouse or open air. 5 lbs. 30c.

**Rose Leaf Extract of Tobacco.** 1 pt. 30c., 1 qt. 50c., 1 gal. \$1.50, 5 gals. \$5.00.

**"Cattle Comfort."** Protects horses, cattle, dogs, etc. from flies, gnats, mosquitoes, horse-flies and other insects; is healing to sores, destroys head-lice on fowls, etc. Price, 1 qt. 45c.

**Caterpillar Lime.** A German tar paste for smearing on trees to prevent insects, caterpillars, etc., from crawling up trees. Price, 5-lb. can \$1.00, 25 lbs. \$4.50.

**Rosebrand Tobacco Soap** quickly exterminates all insect life on plants and flowers in and out of doors. Unsurpassed for rose bushes. For a cheap, effective, clean and harmless insecticide for Amateur and Professional Growers this is unexcelled. 3-oz. cake, sufficient for  $1\frac{1}{2}$  gallons prepared solution, 10c.; mailed, postpaid, 13c. 8-oz. cake, sufficient for four gallons prepared solution, 20c.; mailed, postpaid, 28c.

## BUG DEATH



This is a fungicide, insecticide and plant food combined, which has been used for three years with first-class results. It is claimed that the increase in the crops resulting from its use will pay for the trouble and expense several times over. 1-lb. package 15c., 3 lbs. 35c., 5 lbs. 50c.,  $12\frac{1}{2}$  lbs. \$1.00.

Perfection Shaker, for applying above, 65c. each.

Pat. March 16 and Nov. 9, 1897.  
Pat. in Canada Nov. 2, 1897

## TO-BAK-INE PRODUCTS

Will positively kill green and black fly, thrips, mealy bug, red spider and other insects on flowers, plants, trees, etc.



**To-bak-ine Fumigating Paper.** For quick and effective fumigation. Per box, 60c.; by mail, 70c.

**To-bak-ine Liquid.** For spraying and vaporizing.  $\frac{1}{4}$  pt. 60c.,  $\frac{1}{2}$  pt. \$1.10, 1 pt. \$2.00, 1 gallon \$15.00.

**To-bak-ine Fumigating Powder.** For slow fumigation. 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.00.

## TOBACCO STEMS

Indispensable for fumigating greenhouses and conservatories, for the destruction of green and black aphids and other insects. Price per bale, 100 lbs. \$1.50.

**Nicotine.** For killing all kinds of insects on plants in greenhouses and frames.

The most easy, safe and effective method of fumigating greenhouses and frame ever introduced. Price, 4-oz. can 70c.,  $\frac{1}{2}$ -pt. can \$1.25, 1-pt. can \$2.50. Fumigators for using above, complete, 50c. each.

**Nikoteen.** Per pt. \$1.50.

**Hellebore.** For currant worms. 1 lb. 20c., 5 lbs. 90c.

**Lemon Oil.** Destroys mealy bug, scale, thrips, red spider, black and green fly, caterpillar, etc.  $\frac{1}{2}$  pt. 25c., 1 pt. 40c., qt. 75c.,  $\frac{1}{2}$  gal. \$1.25, gal. \$2.00.

**Permol Kerosene Soap.**

One of the best remedies against all kinds of insects, especially scale; a superior winter wash against San Jose scale. Per can 25c.

**Weed Destroyer.** Quart can sufficient to make 6 gallons of liquid, 50c.; gallon can, sufficient to make 25 gallons of liquid, \$1.50; 5-gallon keg, sufficient to make 125 gallons of liquid, \$5.00.

**Worm Eradicator.** The worms will immediately rise to the surface of the ground or flower bed, or will fall off the trees, fruits or flowers, and in a few minutes will die. It will be found exceedingly effective and quite harmless to fruit, flowers, grass, etc. Full directions for use on each package. 25c. bottle makes 5 gallons liquid, 50c. bottle makes 10 gallons liquid, \$1.00 bottle makes 25 gallons liquid.

## "Nico-Fume" Tobacco-Paper Insecticide.

For fumigating greenhouses. "Nico-Fume" is positively the strongest tobacco-paper on the market; does not injure blooms; and furnishes the easiest method of fumigation ever devised. "Nico-Fume" is packed in special friction-top tins and is sold as follows: 24 sheets 75c.; 144 sheets \$3.50; 288 sheets \$6.50.

**Nikoteen Aphid Punk.** By mail 75c. per box of 12 rolls.





ASPARAGUS KNIVES

English Saw Toothed, each.....\$1.00

American V-shaped, each.....\$0.30

American Straight-edge, each.....\$0.30

ASPARAGUS BUNCHER, 20th Century

It is so constructed that it can be operated very much quicker than any other buncher made.

It will not bruise the grass.

It can be adjusted to any size bunch from 4 to 5 inches.

It will last a lifetime, as it is strongly built of iron and has no springs or delicate parts to wear or get out of order. Jaws open wide so that it may be quickly filled and bunch easily removed.

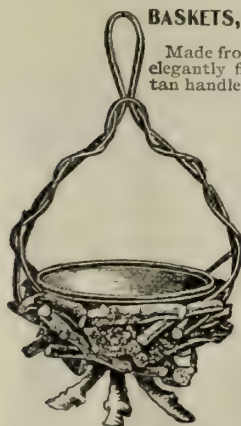
Anyone can operate it. Grass is firmly held so that butt ends can be easily cut while in bunches.

Operator can use it either sitting or standing.

Price, \$3.00.

BASKETS, Rustic Hanging

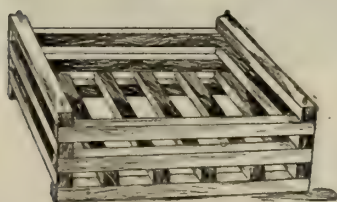
Made from Laurel Roots, elegantly finished and rattan handle.



	Each.	Doz.
8 in.	\$0.70	\$7.00
9 "	.85	9.00
10 "	1.00	11.00
11 "	1.10	12.00
12 "	1.25	14.00
13 "	1.40	16.00
15 "	1.75	19.00

These baskets cannot be equaled in style, finish or make. They are ahead of any basket on the market. They will stand severe weather, and with a little care are good for 10 or 11 years' wear.

ORCHID BASKETS



6 inch, each.....\$0.35	10 inch, each.....\$0.50
8 " " ..... 45	12 " " ..... .60



WIRE HANGING BASKETS

	Each.	Doz.
8 in.	\$0.25	\$2.75
10 "	.30	3.00
12 "	.40	4.00
14 "	.50	5.00

S. & W. CO.'S FLOWER POT BRACKET



Made of steel, artistic in design and finish. Finished black, very strong and durable. Flower-pots and Saucers are absolutely secured by the spring clasp. Especially adapted to hold plain pots and saucers.

No.	Length of Arm.	Clasp to Hold.	Price Each.
1A	8 inch	5-inch pot.....	\$0.30
2A	10 "	6 " " ".....	.40
3A	12 "	7 " " ".....	.45

HORSE BOOTS

These boots are made from our own special design, and after two years' practical test by an expert greenkeeper have been pronounced



by him to be the best patterned boot made. The bottoms are made thoroughly water-proof and hardened by a special process. The toe is rounded and curved,

which prevents cutting the finest lawn. In its construction copper rivets are used throughout, making it the strongest and most durable boot on the market. The simplicity of construction enables them to be quickly adjusted, while the method of fastening them to the hoof is positive and secure. Price, per set of four boots.....\$9.00

GARDEN LINE



Braided Line, 100 ft.....	\$0.50
Garden Line Reels, malleable.....	.60

STRAWBERRY FORK



A useful hand tool for weeding or general garden use. Length, including handle, 10 in. Price 25c. each.

SPADING FORK



Made from very best material.

4-tine D handle.....	\$1.00
5-tine D handle.....	1.25
Long handles same price.	

HAY FORKS



Finest quality steel, oval shaped tines; solid steel shank, patent ferrule, long and strapped.

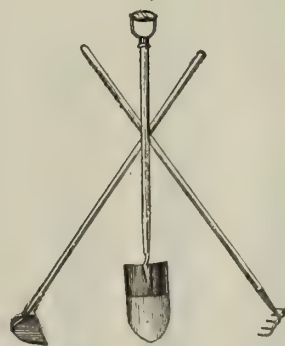
2 tine.....	\$0.50	per doz.....	\$5.75
3 tine.....	.60	per doz.....	7.00
4 tine.....	.70	per doz.....	8.00

MANURE FORK



4-tine D handle, made of best material. Price, 85c. each; 5-tine, \$1.00 each. Long handles same price.

LADIES' GARDEN SET



3-piece garden sets; 1 each; shovel, rake and hoe. Made of the very best material and built for hard work.

Price, \$1.00 per set.

GREENWOOD SICKLE



The best and lightest Sickle; made from solid welded steel, one piece, no riveted back to get out of order. Used by the florists of Greenwood Cemetery. Every sickle guaranteed. Price, 60c. each; \$6.00 per doz.



**GARDENERS' GLOVES**

For protecting the hands.  
Heavy Goat,  
pair \$1.00

**YANKEE CORN KNIFE**

For cutting corn stalks, any heavy grass.  
Each.....\$0.35 doz.....\$3.60

**TURF EDGING KNIFE**

For cutting edges of walks, flower beds, etc.  
Price, each.....\$0.50

**SOLID WELDED STEEL EDGING KNIFE**

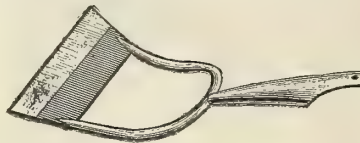
Socket handle, made of the very best steel, imported English.  
Price, with handle.....\$1.50

**DRAW, or GARDEN HOES**

Extra quality, cast steel, oil tempered, polished blade.  
5 in. blade 35c., per doz.....\$3.60  
6, 7 and 8 in. blade 45c., per doz..... 5.00

**ACME HOE**

Very popular tool for gardeners and florists for drilling, cultivating and weeding.  
Acme double prong, 4½ in. blade, 50c. each.

**ENGLISH SCUFFLE HOES**

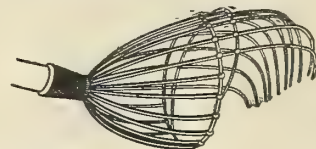
5 in.....	\$0.50	9 in.....	\$ .70
6 in.....	.55	10 in.....	.75
7 in.....	.60	12 in.....	.85
8 in.....	.65	Handles 10c. extra.	

**WARREN HOE**

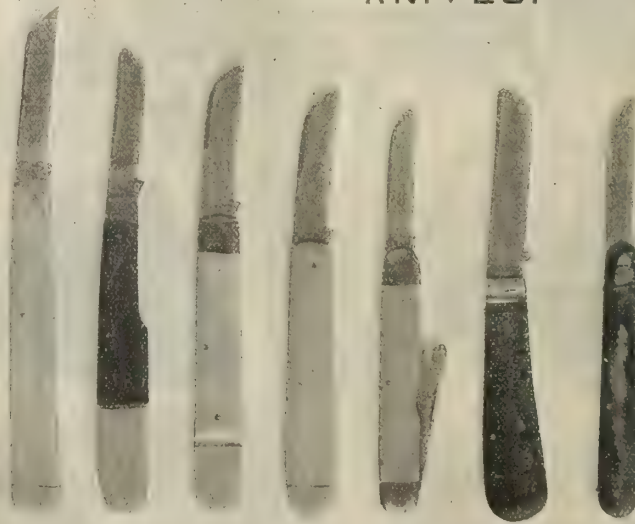
The Warren hoes are unequalled, for hoeing, weeding, cultivating, making drills, covering seed, etc.  
Small size.....\$0.65  
Medium size..... .70  
Large size..... .75

**TWO-PRONG WEEDING HOE**

A very useful tool for general garden work.  
Each 35c., doz. \$3.60.

**PERFECT FRUIT PICKER**

Galvanized wire, to fit any sized pole.  
Price, each.....\$0.35

**PRUNING KNIVES.****BUDDING KNIVES.**

\$1.00	90c.	\$1.00	75c.	65c.	\$1.50	90c.	\$1.25	90c.	\$1.00	50c.	65c.
No. 1 Pruning knife, horn handle, 1 blade.....					Each \$1.00	No. A, Budding Knife, ivory handle, Saynor.....					Each \$1.50
No. 2 " " " " 1 ".....					.90	No. B, " " " " bone " S. & W.....					.90
No. 3 " " " " 2 blades.....					1.00	No. C, " " " " ivory " S. & W.....					1.25
No. 4 " " ebony " 1 blade.....					.75	No. D, " " " " " " " ".....					.90
No. 5 " " " " 1 ".....					.65	No. E, " " " " 2 blades.....					1.00
						No. F, " " " " ebony " 1 blade.....					.50
						No. G, " " " " bone " 1 ".....					.65



REVOLVING TURF EDGER



For trimming turf around edges of walks and beds; a revolving knife enables the work to be done with rapidity. Price, \$1.25 each.



FLOWER POTS,

Standard

Doz.	100
2 in.	\$0.10
2½ "	.12
3 "	.15
4 "	.35
5 "	.45
6 "	.75
7 "	1.25
8 "	1.50
9 "	2.00
10 "	2.75
12 "	6.00

ROUND LILY PANS

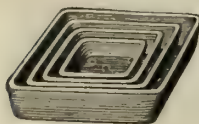
H'g't. Width. Doz.

5x8 in.	\$1.00
5x10 "	1.50
6x12 "	2.00
7x14 "	4.00
8x16 "	8.00
9x18 "	12.00



COMMON FLOWER POT SAUCERS

4 inch.	Doz.	9 inch.	Doz.
5 "	\$0.25	10 "	\$0.85
6 "	.30	11 "	1.00
7 "	.35	12 "	1.25
8 "	.40	13 "	1.50
9 "	.50	14 "	1.75



SQUARE SEED PANS

H'g't. Width.	Doz.
6x6 in.	\$3.00
8x8 "	4.00
10x12 "	5.00
12x12 "	6.00



GRASS HOOK

Solid welded back, English make, best quality steel.

Small size	\$0.40
Medium size	.50
Large size	.60

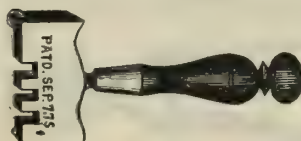


GRASS HOOKS

The Little Giant Grass Hook is a miniature scythe; looks right, hangs right and cuts right; the thing long sought for. Can mow a small lawn with it; can cut closer to trees, fences, etc. Can be used for cutting corn or clipping hedges. Forged steel shank, tanged handle.

Price, 50c. each.

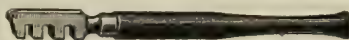
GLASS CUTTERS



Diamond Glass Cutter

A diamond in one corner, and a wheel in the other, assuring a straight cut.

Ebony handle.....\$3.00



Steel wheel cutter, 10c. each; doz.....\$1.00



IMPORTED ENGLISH RIVETED BACK GRASS HOOK

Small size	\$0.50
Medium size	.55
Large size	.60

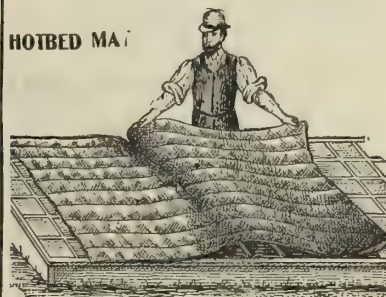


GRUB HOE

Strong for grubbing out roots, clay, ditches, etc.

3½ lb. 85c., 4 lb. \$1.00, 4½ lb. \$1.25; including handle.

HOTBED MAT

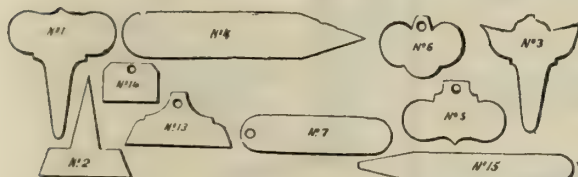


Burlap, for Protecting Cold Frames and Hotbeds.

These are 6x6 ft. square, made of strong burlap bagging, warmly lined with waste wool and cotton, which are quilted in to hold position.

76x76, burlap, \$1.25 each; doz.....	\$14.00
40x76, burlap, \$1.00 each; doz.....	10.00
76x76, burlap, one side duck; \$1.75 each; doz.....	18.00
40x76, burlap, one side duck; \$1.25 each; doz.....	14.00

ZINC GARDEN LABELS



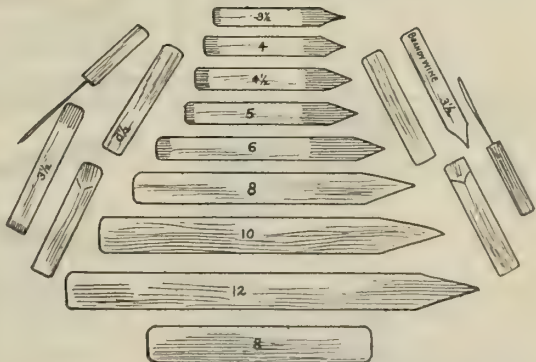
These are unsurpassed, being neat, durable and indelible. The ink marks a jet black, which remains distinct. Use a clean quill or pointed stick.

No.	Doz.	100
1-4¼x3½	\$0.25	\$1.25
2-4 x2¾	.20	1.10
3-4 x3	.20	1.10
4-5 x1	.20	1.10
5-3½x2½	.25	1.30
6-2¼x2	.20	1.10
7-2¼x 7/8	.15	.75
13-2¼x1¼	.15	.75
14-1½x1¼	.15	.65
15-4¼x4¼	.15	.65

CELLULOID PLANT LABELS

Made from first quality celluloid, nicely finished, wired with copper wire; just the thing for those desiring a neat and practical label for wiring on plants. One box contains 50 assorted labels with bottle of indelible ink. Price, per box, postpaid, \$1.50.

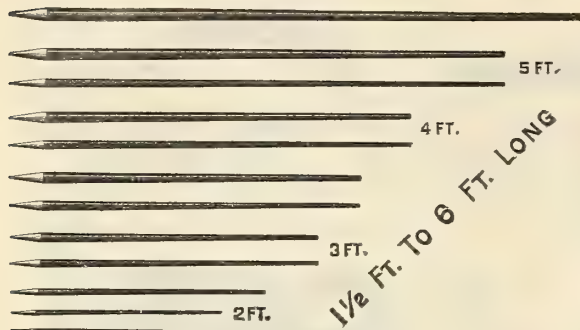
LABELS, Wooden, Pot and Garden



	PLAIN		PAINTED	
	Per 100	1000	Per 100	1000
4 inch.....	\$0.15	\$0.60	\$0.15	\$0.90
4½ ".....	.15	.80	.20	1.00
5 ".....	.15	.90	.20	1.25
6 ".....	.20	1.00	.25	1.35
8 ".....	.40	3.50	.50	4.00
10 ".....	.45	4.00	.55	5.00
12 ".....	.55	4.50	.60	5.50
3½ " Copper-wired.....			.25	2.00



## PLANT STAKES



## PLANT STAKES, Tapering Green

	Doz.	100		Doz.	100
1 1/2 feet.....	\$0.20	\$1.25	3 1/2 feet.....	\$0.60	\$4.25
2 ".....	.30	1.75	4 ".....	.70	5.25
2 1/2 ".....	.40	2.60	5 ".....	.80	6.00
3 ".....	.50	3.40			

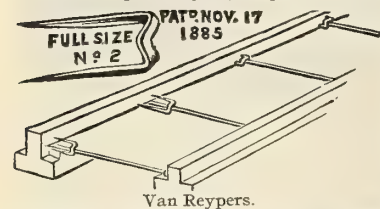
## DAHLIA POLES

	Doz.	100		Doz.	100
3 feet.....	\$0.75	\$6.00	5 feet.....	\$1.30	\$10.00
3 1/2 ".....	.90	7.00	6 ".....	1.40	11.00
4 ".....	1.00	8.00			

## JAPANESE CANE STAKES

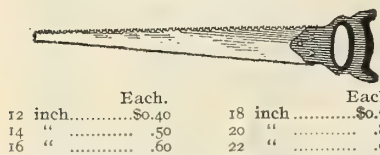
	Doz.	100	1000
5 1/2 to 6 feet.....	\$0.25	\$1.00	\$8.00
6 " 8 ".....	.35	1.50	12.00
10 " 12 ".....	.75	6.00	

## GLAZING POINTS



Per 1,000.....\$0.65 5,000.....\$3.00  
 Siebert's Never Rust Glazing Pegs, lb.....\$0.40  
 Model Points, lb......40

## DOUBLE EDGE PRUNING SAW



	Each.		Each.
12 inch.....	\$0.40	18 inch.....	\$0.70
14 ".....	.50	20 ".....	.80
16 ".....	.60	22 ".....	.90

## PLAIN, ONE EDGE PRUNING SAW



	Each.		Each.
12 inch.....	\$0.40	18 inch.....	\$0.70
14 ".....	.50	20 ".....	.80
16 ".....	.60	22 ".....	.90

## FRENCH SHEAR



The best shear made. Guaranteed to last longer and wear better than any shear on the market.

	Each.		Each.
5 1/2 inch.....	\$1.25	8 1/2 inch.....	\$1.45
6 1/2 ".....	1.35	9 1/2 ".....	1.75

## California No. 1, Full Nickel Shear

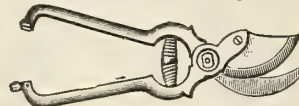


An extra fine shear at a low price.  
 Each, \$0.75.

## Nickel Plated Ladies' Pruning Shear

5 1/2 inches.....	\$0.90	6 1/2 inches.....	\$1.00
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## Wiss Solid Steel Pruning Shear



Made to last forever.  
 10 1/2-9 inches, each.....\$2.00  
 11-10 "..... 2.50

## ENGLISH LOPPING SHEARS



No. 1, 20-inch handles.....	\$2.00
" 2 24 ".....	2.25
" 3 28 ".....	2.50
" 4 32 ".....	2.75

## SHEAR NO. 2



Steel blades, malleable handles, 8 inches.  
 Each, \$0.50.

## INDELIBLE INK

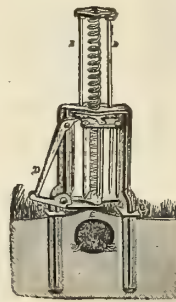
Yates' Imported, per bottle.....\$0.25

## INDELIBLE PENCILS, Wolf's

Each \$0.10.....per doz. \$1.00

## MOLE TRAPS—Olmstead's Improved Reliable

The invention consists of the frame A, constructed with two cross bars, in which are holes to guide the needle bars B B. At the lower end of the needle bars is attached a plate to which six needles are made fast, three on each side of the plate. To the upper end of the needle bars is attached a platform for the purpose of holding a weight, either a brick or stone, which serves to operate the trap when set off by the mole.



Springs are also furnished to operate the trap. The spring can be readily attached and detached, it simply being hooked to the trap, so that either a weight or spring can be used to operate it.

Upon each side of the frame at C C, projections are made which serve as stops or guides to indicate when the trap is pushed into the ground the right distance to insure the catching of the mole, and also to serve as a support for the trap. This is a very important feature in mole traps, for it obviates all guesswork in setting in.

To the frame is attached the lever D and trigger E, both made to work loosely on pivots. This trap is constructed entirely of steel and iron.

Price—Each, \$1.50, per doz. \$15.00.  
**NEW MODEL.** This is the only trap that can be set under hotbed frame, as the trap when set is only 1 1/2 inches high.  
 Price—Each \$1.50, per doz. \$15.00.

## PAPER

Wax.....24x36, ream.....	\$3.00
".....18x24, ".....	2.00
Tissue.....24x36, ".....	1.00
Manilla.....24x36, ".....	2.00
Wrapping.....40x48, per lb.....	.10

## GRASS SHEARS



Full nickel, solid steel.  
 6-inch blade.....75c. 7-inch blade.....\$1.00

## GRASS EDGING OR BORDER SHEARS



For trimming the overhanging grass around the edges of walks, etc.  
 Price, 10 inch blades, \$2.50, or with wheel, \$2.75.

## LAWN SHEARS

For cutting grass under shrubs, fences, etc.  
 Price, with two wheels, 10 inch blades, \$2.75.

## HEDGE SHEAR No. 2

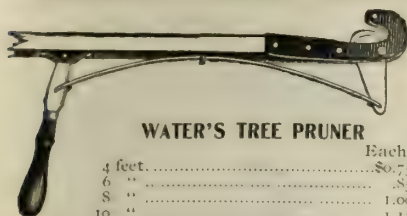


Imported English laid blade, made of the very best steel, oil tempered, and built for heavy and steady work.

	Each.		Each.
8 inch.....	\$1.25	8 inch, notched.....	\$1.50
9 ".....	1.50	9 " ".....	1.75
10 ".....	2.00	10 " ".....	2.25

The notched shears are for cutting heavy branches in the hedge.





**WATER'S TREE PRUNER**

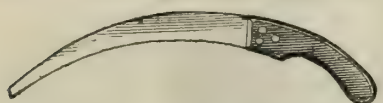
	Each.
4 feet.....	\$0.75
6 ".....	.85
8 ".....	1.00
10 ".....	1.15
12 ".....	1.25
Extra blades.....	.20

**HEDGE SHEAR, Stamped Blade**



	Each.	Each.
8 inch.....	\$1.00	8 inch, notched.....\$1.25
9 ".....	1.25	9 ".....1.50
10 ".....	1.75	10 ".....2.00
Ladies' Hedge Shear, 5 1/2 inch blade.....	1.00	

**CALIFORNIA BOW SHAPED PRUNING SAW**



	Each.	Each.
12 inch.....	\$0.50	14 inch.....\$0.65

**ENGLISH GRAPE-THINNING SCISSORS**



Finest quality, imported. Used for thinning out the grapes in bunches, allowing the remaining ones to develop. 75c.

**SCYTHES**



**Imported English Riveted Back.**

	Each.	Each.
32 inch.....	\$1.40	36 inch.....\$1.60
34 ".....	1.50	38 ".....1.70
Imported Solid Back.		
Same prices as riveted back.		

**SCYTHES**



**Little Giant Solid Steel Scythes**

28 inch.....	\$1.15	32 inch.....\$1.35
30 ".....	1.25	34 ".....1.40

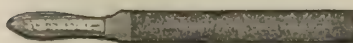
**Scythe Snath or Handle**

Patent best quality. 90 cents each.

**SCYTHE STONES**

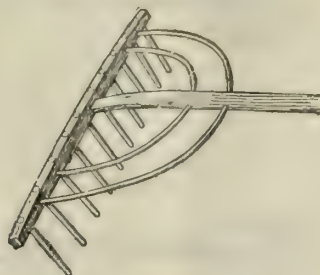


English Talacre quarry.  
25 cents each; \$2.50 per dozen.



Scythe rifles, emery coated.  
15 cents each; \$1.50 per dozen.

**WOOD HAY RAKES**



12 teeth, 30 cents each; \$3.00 a dozen.

**Wood Lawn Rakes**

24 teeth, 35 cents each; \$3.50 a dozen.

**REVERSIBLE STEEL LAWN RAKE**



Heavily tinned steel teeth, the arched teeth for leaves and litter, and the opposite side for fine cut grass.

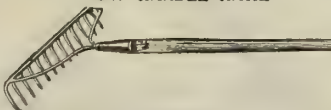
24 teeth, each.....\$0.50

**GRAVEL RAKES, Short Teeth**



	Each.	Each.
12 teeth.....	\$0.40	16 teeth.....\$0.60
14 ".....	0.50	18 "......70

**BOW HANDLE RAKE**



**Steel Garden Bow Handle.**

11 teeth.....	\$0.70	15 teeth.....\$0.80
13 teeth.....	.75	

**STEEL GARDEN RAKE**



10 teeth.....	\$0.50	14 teeth.....\$0.60
12 teeth.....	.55	16 teeth......65



**WARREN RAKE IN USE**



**WARREN RAKE "CLEANING ITSELF"**

It is the only rake on the market which will clean itself automatically and absolutely without annoyance to the user.

Price, 75c. each; \$8.00 per doz.

**TINNERS' SNIPS**



For cutting wires, tin, etc., very useful.  
8 in.....\$0.90 11 in.....\$1.00

**SOLID STEEL TROWEL**



Hand forged, oil tempered, ferrule handle, and a splendid trowel for general use.

6 in.....\$0.35 7 in.....\$0.40

**MAYNARD TROWEL**



Solid steel trowel, the very best trowel made, socket shank, highly polished.

6 in., each.....\$0.75 7 in.....\$1.00

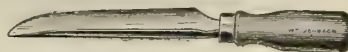
**TRANSPLANTING TROWEL**

Solid steel, largely used by market gardeners.

Each.....\$0.25



**SLIM JIM TROWEL**



A perfect trowel for making small, deep holes for transplanting and putting in bulbs.

10 in., each.....\$0.15 13 in., each.....\$0.25

**STEEL GARDEN TROWEL**



A first-class trowel for general garden work, light, cheap and strong.

Each.....\$0.25 doz.....\$2.75

**ASBESTOS TORCH**



This torch is composed of pure asbestos, and, when thoroughly soaked in kerosene oil, will burn with a high broad flame from 30 to 45 minutes. Being entirely incombustible, it can be used indefinitely without deterioration.

It will be found exceedingly effective in destroying nests of caterpillars, so destructive to fruit and shade trees. It can be used for various other purposes, such as

starting brush fires, etc.

Unlike cotton waste or other combustible material, it does not carry sparks after it has ceased blazing; there is, therefore, no danger of its starting a fire after being used.

Price, each.....\$0.35 By mail.....\$0.45



## HAZELTINE WEEDER



A very popular style of hand weeder, and one of the best. Its peculiar shape permits a wide range of work. 20c. each, \$2.25 doz. (postage, 5c. each extra).

## THREE-CORNERED ONION WEEDER



A popular tool for weeding among onions and other rowed crops. 20c. each, \$2.25 doz. (postage, 10c. each extra).

## EXCELSIOR FINGER WEEDER



The claw fingers are useful for loosening and pulverizing the soil. 10c. each, \$1.00 doz. (postage, 5c. each extra).

## EUREKA HAND WEEDER



Our choice of the finger weeders; the prongs, being of solid forged steel, are thin and long, and get right down to work in loosening soil and breaking crust. Short handle, 25c. each, \$2.75 doz. (postage, 10c. each extra).

## NOYES WEEDER



A very handy tool for weeding flower beds, loosening soil, etc. 15c. each; by mail, 20c. each; \$1.50 doz.

## MAYNARD'S PATENT FORGED

With Solid Cast Steel Socket



Each is forged from a single piece of cast steel, forming a solid mass  $\frac{3}{8}$  inch thick, where others have an open pocket to admit the bend of the handle, thus giving a strength unattainable by any other means. The blades have no weld, no straps and no rivets. D socket handle, each.....\$1.50  
Long socket handle, each.....1.50  
Pointed socket D handle, each.....1.50  
" " long handle, each.....1.50

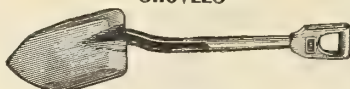


## GARDEN DIBBLE

For transplanting cabbage, celery, tobacco, etc.

Small size .....\$0.35  
Large " .....40

## SHOVELS

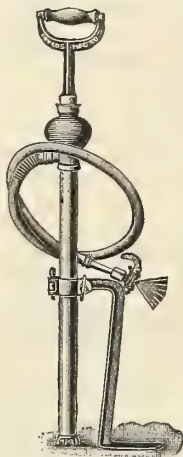


Ames' D strapped handle, each.....\$1.50  
" long strapped handle, each.....1.50  
" long handle, pointed, each.....1.50  
" long handle, each.....1.50  
Sickles' pointed, each.....1.00  
" square front, each.....1.00

## SPADES

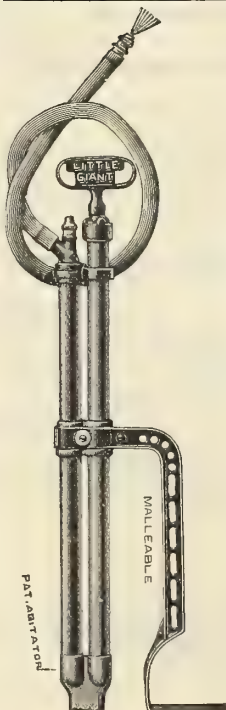


Ames' D handle, each.....\$1.50  
Ames' long handle.....1.50  
Maynard's socket D handle, each.....1.50  
Sickles' D handle, strapped, each.....1.00

S. & W. BUCKET  
SPRAY PUMP

Bordeaux Brass Garden and Spray Pump is especially designed for spraying in gardens and greenhouses. Has adjustable foot-piece to fit different size buckets. With 3 feet  $\frac{3}{8}$ -inch hose and spray nozzle.

Price.....\$3.75.

S. & W. BUCKET  
BRASS SPRAY  
PUMP

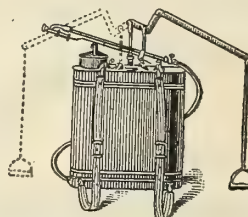
Being made of brass, it is not affected by the arsenites used for spraying. Easily operated; throws a solid stream fifty feet. It is provided with a combination nozzle, and also with a sprinkler for flowers. For spraying large trees, an eight-foot pipe extension is supplied for 60 cents extra. This pump is also valuable for washing windows.

Price.....\$3.75

S. & W. WHITEWASH AND PAINTING  
MACHINE

By using this machine every crevice and corner which cannot be reached with a brush can be thoroughly painted or whitewashed, at the same time saving a great deal of labor and expense. One man can do as much work in one hour as five men could do with brushes in the same length of time. Price, No. 6—8-gallon galvanized iron machine, with all attachments, \$12.00. No. 7—16-gallon galvanized iron machine, with all attachments, \$15.00. Extra hose, per foot, 8c. Nozzle 85c.

## "KNAPSACK" SPRAY PUMP



S. & W. "Knapsack" Spray Pump is made entirely of brass and copper with ball valve and metal plunger, all parts easily accessible. The reservoir is made of heavy copper, capacity about five gallons. This sprayer is furnished complete as shown in cut with  $3\frac{1}{2}$  feet of  $\frac{3}{8}$ -inch discharge hose. "Mistry" nozzle and lance for degorger.

Price.....\$12.00

## S. &amp; W. FRUITALL SPRAY PUMP



Is made on the same general lines as the famous "Pomona." It is, however, lighter and of smaller capacity. All working parts, including plunger, gland, valves, valve seats and strainer, are of brass. Pump is held in barrel by anchor at bottom and adjustable clamp at top, fitting over end of stave.

Outfit C, Single Lead.—Spray Pump with agitator and one lead 15 feet,  $\frac{1}{2}$ -inch discharge hose, with "Mistry" or "Seneca" Spray Nozzle, barrel and pump mount, \$13.50.

Outfit D, Double Lead.—Spray Pump with agitator and two leads 15 feet each,  $\frac{1}{2}$ -inch discharge hose, with "Mistry" or "Seneca" Spray Nozzles, barrel and pump mount, \$16.00.



UNION FLOWER TUBS



Made of cypress, painted green, with iron hoops and feet and handles; perforated bottom; very strong.

No.	Diameter	Height	Price
1	11 inches	13 inches	\$0.90
2	13 "	14 1/2 "	1.10
3	15 "	16 "	1.50
4	18 "	20 "	2.25
5	21 "	34 "	2.75

CEDAR TREE TUBS



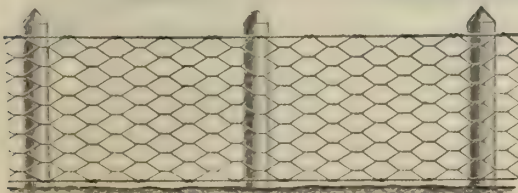
Outside Diameter.	Length of Stave.	
No. 0, 27 inches.	24 inches	\$6.00
No. 1, 25 "	22 "	5.00
No. 2, 23 "	20 "	4.50
No. 3, 21 "	18 "	4.00
No. 4, 18 "	16 "	3.50
No. 5, 16 "	14 "	3.00
No. 6, 14 "	12 "	2.50
No. 7, 13 "	11 "	2.25
No. 8, 12 "	10 "	2.00

ENGLISH FLOWER-GATHERING SCISSORS

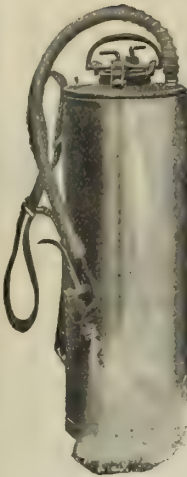


Finest quality, imported. Cuts and holds the flower. 75c.

GALVANIZED WIRE NETTING



AUTO-SPRAY



Convenient, durable, efficient. Our patented leader of spray apparatus for small uses. Will do better work and do it easier than any other similar article. Useful with Bordeaux and all solutions, also in applying cold water paints or whitewash. Holds four gallons. Illustration shows our new "Auto-Pop" attachment which doubles the efficiency by saving half the solution and labor. Our "Anti-Choke" Nozzle, cleaned at every operation of "Auto-Pop" can never clog. Tank made of galvanized steel or brass. High grade hose. Heavy self-contained pump, all brass. Nipple connections, nozzle, etc., turned from solid brass rod with full threads. Castings for handle, etc., all malleable. No continuous pumping as in the case of the Knapsack Sprayer—no continuous pumping or slopping as in the case of the bucket pump. A few strokes of plunger compresses enough air to cover a quarter acre of potatoes or similar crop. The operator simply holds the nozzle. Also used for spraying disinfectants. A practical machine for potatoes, tobacco, small fruits, vineyards, poultry houses, greenhouses, etc. Detailed descriptive circular on request.

"Auto-Spray," No. 1, Brass Tank, with Stop Cock.	\$6.00
"Auto-Spray," No. 1, Brass Tank, with "Auto-Pop" [recommended]	7.00
"Auto-Spray," No. 1, Galvanized Tank, with Stop Cock.	4.50
"Auto-Spray," No. 1, Galvanized Tank, with "Auto-Pop"	5.50
"Auto-Pop," supplied separately	1.00

BELLOWS, WOODASON'S



Powder, small size	\$1.25
" large "	2.25
Liquid, small "	1.50
" large "	2.25

Double Cone Powder Bellows. For dusting plants with dry powders for insects and fungus. Price, \$3.25 each.

SYRINGES, Solid Brass

No. A. Barrel, 12 inches long, 1 spray and 1 stream rose. Price.	\$2.50
No. 2. Barrel, 13 1/2 inches long, 1 coarse and 1 fine spray, and 1 stream rose. Price.	4.50

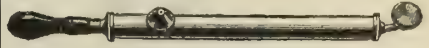
SYRINGES

No. 11, similar to No. 10

Open roses, two-spray roses and jet, side attachments, each.....\$4.75



Cone valves, two-spray roses and jet, side attachments, each.....\$5.50



G Barrel 16 in. x 1 1/2 in. diameter.

Open rose, one-spray rose and jet, one side attachment, angle joint. This joint can be detached and the syringe used in the ordinary way, each.....\$4.50

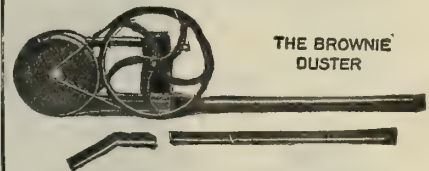


No. O

Fine spray, rose only, barrel 14 inches long, 1 1/2 inches in diameter, each.....\$2.75

No. O. Same as O O, but with barrel 12 1/2 inches long, 1 1/4 inches in diameter, each 2.25

THE BROWNIE DUSTER



THE BROWNIE DUSTER

For garden, vineyard and small trees. Particularly useful for indoor as well as outdoor work, wherever a dry powder is required. Price, \$3.00 each.

DRY POWDER GUNS



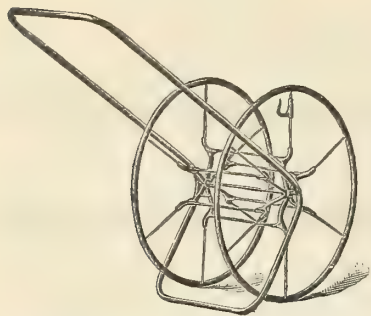
Distributes Paris green, London purple, hellebore, sulphur, lime, dry Bordeaux mixture, dry Bordeaux mixture and Paris green compound, Spanish pink, Pyrethrum Powder, etc.; dispenses with bother and labor of using water. Price, \$8.50.

In rolls 150 feet long. We do not sell less than rolls.

	2 inch Mesh	1 1/2 inch Mesh	1 1/4 inch Mesh
No. 18 Wire	No. 19 Wire	No. 19 Wire	No. 19 Wire
12 inches wide	\$1.00	\$1.25	\$2.00
18 "	1.50	2.00	3.00
24 "	2.00	2.50	4.00
30 "	2.50	3.00	5.00
36 "	3.00	4.00	6.00
40 "	3.50	4.50	7.00
48 "	4.00	5.50	8.00
54 "	5.00	6.00	9.00
60 "	5.50	6.75	10.00
72 "	6.00	8.00	11.00

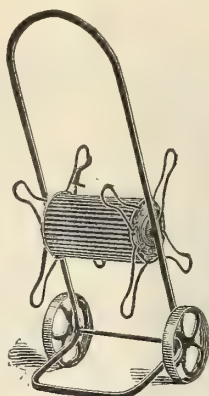


## HOSE CART No. 1



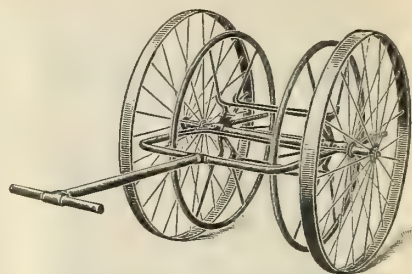
For lawn or garden. Very simple in construction, easily manipulated and almost unbreakable. Price \$3.00.

## K. C. HOSE REEL



All metal, tubular frame, corrugated drum to allow circulation under Hose. Price \$2.00.

## S. &amp; W. CO.'S HOSE CART



For a small quantity of large hose or a large quantity of small hose.

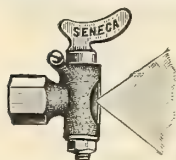
Tubular steel reel, frame and tongue, malleable castings, and steel tricycle wheels with 2 inch tires. Capacity 400 feet. Price \$10.00.

## FAIRY NOZZLE



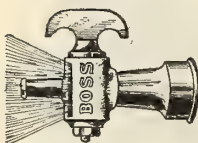
Brass..... 50c.

## Seneca Spray Nozzle



Gives a fan-shaped spray, covering a large area. Price \$1.25.

## BOSS NOZZLE



The best nozzle for use against red spider. Price 50c.

## GARDEN HOSE



The Rubber Hose we offer is all made of the best rubber and will outlast cheap hose ten times over. We guarantee all our Hose and will replace same if returned within reasonable time, in season, and found to have any defects the fault of the manufacturer.

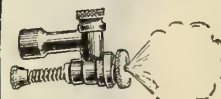
**Knockany.** 5 ply, 16c. per ft. **Greenhouse.** 4 ply, 14c. per ft. **Wearlong.** 3 ply, 10c. per ft. Price includes couplings in 25 or 50-foot lengths. Prices on cotton-covered hose on application.

## Graduating Spray Nozzle



Will throw a fine or coarse spray, or straight stream. Price 40c.

## Mistry Spray Nozzle



Produces a perfect mist or fog at a very low pressure. Price 65c.

## BOSTON NOZZLE



Copper face. Price 50c.

## LITTLE WONDER HOSE MENDER



3c. each; 30c. per dozen.

## JONES' SCREW END HOSE MENDER



5c. each, 50c. per dozen.

## COOPER'S BRASS HOSE MENDERS



The best mender made. Will last forever.

1/2 inch,	7c. each	.....	75c. per dozen.
3/4 " "	7c. " "	.....	75c. " "
1 " "	8c. " "	.....	85c. " "

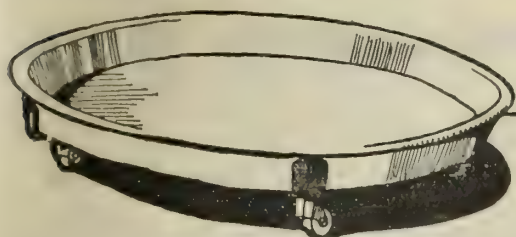
## CALDWELL'S HOSE MENDING OUTFIT



Practical, simple, perfect. Box of 6 tubes, 20 bands and pliers, 75c.; or by mail, \$1.00. (Give size of hose.)

Extra tubes, 3/4 inch, 3c. each. Extra pliers, 30c. each. Extra bands, 20c. a dozen.





### ROLLING STANDS FOR HEAVY PLANTS

Platforms are Indurated Fiber Ware. Will not soak or rust. Casters have ball-bearings. Every heavy plant sold needs one to save carpets and floors, and to enable carpets and floors to be readily cleaned.

#### Price List Rolling Stands

Outside diameter about	Diameter at bottom of pot	Castors	Price
12 inches	10 inches	3	\$0.75
14 "	11 "	3	.85
16 "	13 "	4	1.00

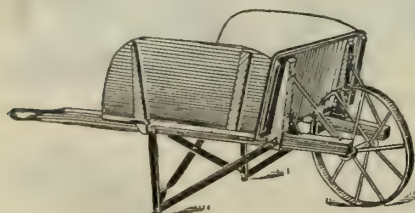
#### Price List Rolling Stands

Outside diameter about	Diameter at bottom of pot	Castors	Price
18 inches	15 inches	4	\$1.10
20 "	17 "	4	1.20
22 "	20 "	5	1.40

### S. & W. FOLDING STEEL FRAME

The neatest in design, the lightest in weight, the finest finish, the most durable, hardwood handles, handsomely painted.

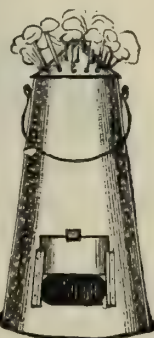
This garden barrow has been on the market seven years, and the great numbers which have been sold in all parts of the country during that time and the universal satisfaction they have given, fully substantiates all claims we make for it. The frame is made from 1 inch angle bar with foot turned, so it will not injure a lawn. Supplied with No. 1 steel wheel. The frame and wheel are japanned black; sides and handles bright green. Size of front 12x19 inches, sides 12x28 inches, bottom 21x27 inches; weight 40 lbs. Price, \$3.50.



Price, \$3.50.

### FUMIGATORS

Eureka, No. 1, holds 1/2 peck stems.....	\$1.50
" No. 2, " 1 " " .....	2.00
" No. 3, " 1 bush. " .....	2.50
Perfection, No. 1, holds 1 peck stems.....	3.00
" No. 2, " 1/2 bush. " .....	3.75
" No. 3, " 3/4 " " .....	4.50
Nicotinic outfit, complete.....	.50



### AUTO-SPRAY WHITEWASH AND PAINT MACHINE



This is warranted the most powerful and most durable machine in its class.

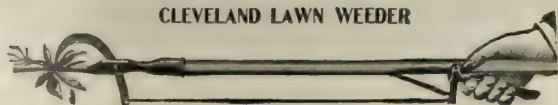
#### DESCRIPTION

Tank.—Extra heavy galvanized steel; holds eight gallons, and has reinforced cover. Pump.—All brass but handle-fittings; cylinders extra heavy, 1 1/2 inches in diameter, both air and pump; ball valves and three-ply hose.

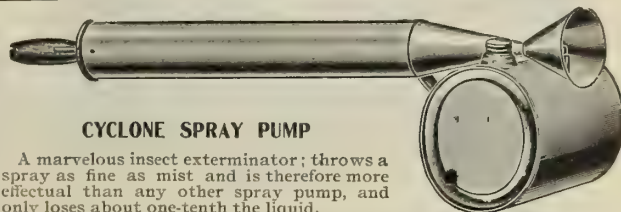
Weight.—Net 20 pounds, shipping 35 pounds. Uses.—Suitable for spraying insecticides and fungicides on trees, shrubs and vines, as well as the application of whitewash or cold water paints, and will do the work of 5 men with brushes.

Price, complete with 8 feet of hose, 8-foot iron extension and 1 Vermorel nozzle suitable to all classes of spraying, \$12.00.

### CLEVELAND LAWN WEEDER



A chisel blade cuts off the weeds; the trigger holds them so they can be pulled out. 60c. each.



### CYCLONE SPRAY PUMP

A marvelous insect exterminator; throws a spray as fine as mist and is therefore more effectual than any other spray pump, and only loses about one-tenth the liquid.

No. 1. All tin.....Each, \$0.50 No. 1. All copper..... Each, \$1.00

### S. & W. TRUCK, LEAF RACK, AND WATER BARREL COMBINATION



When we consider the almost innumerable uses to which our combined truck, leaf rack, and water barrel combination can be put, its handiness, and the immense amount of time and hard labor saved by its use, it is not a matter of surprise that it is steadily growing

into popular favor. It is one of those articles that cause the user to wonder how he ever did without it, as it really becomes indispensable when once used. Price, truck and barrel as in cut with 2 1/2 inch tire wheels, \$11.00; with handy cart box, length 37 in. by 23 1/2 in. wide by 8 in. deep, \$3.00 extra; with leaf rack, 42 in. long by 28 in. wide by 21 in. deep, \$5.00 extra. Price, complete with truck, water barrel, box, and leaf rack, \$19.00.

### FLOWER POT SAUCERS (Waterproof)



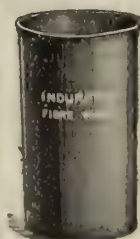
If you have ever been annoyed with ordinary flower-pot saucers absorbing moisture and dispensing it imperceptibly until the article it sat on was ruined, you will then fully appreciate the value of these new indurated fiber-ware saucers. They do not absorb moisture and are not easily broken. Color, terra cotta brown.

	Each	Doz.		Each	Doz.
4-inch .....	\$0.06	\$0.70	10-inch .....	\$0.11	\$1.10
5 " .....	.07	.80	11 " .....	.12	1.15
6 " .....	.08	.90	12 " .....	.13	1.25
7 " .....	.09	.95	13 " .....	.14	1.50
8 " .....	.10	1.05	14 " .....	.16	2.00
9 " .....	.11	1.10			

### PRICE-LIST OF FLORISTS' VASES

For Displaying Cut Flowers

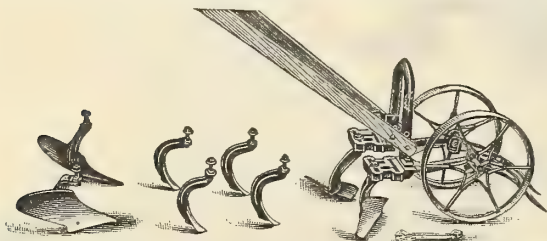
Diameter	Depth	Order by	Plain,
Inch. inside	Inch. inside	No.	per Doz.
8	13	0	\$4.50
5 1/2	10	1	4.20
4 1/2	9	2	3.60
4	6	3	3.00
3	4 1/2	4	2.40
9	22	00	9.00
5 1/2	18	11	4.80
4 1/2	15	22	4.20
4	12	33	3.60
3	9	44	3.00
9	29	000	18.00





## "PLANET JR." FARM AND GARDEN TOOLS

Space will not permit illustrating and describing all of the "Planet Jr." tools; but we will gladly send fully illustrated catalogue free for the asking to any address. Remember, "Planet Jr." machines are the recognized standards throughout the world, and are guaranteed by the manufacturers.



### No. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

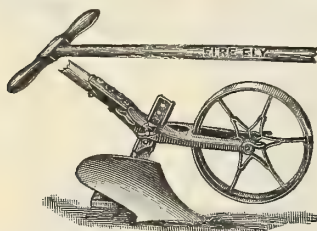
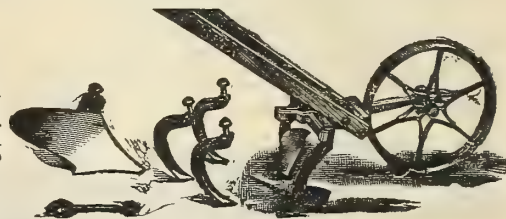
This wheel hoe is invaluable for use in all small crops. Its variety of work is almost incredible. Changes and adjustments of the tools are made with the greatest quickness. It has 11-inch wheels, which can be set at different distances apart; malleable frame, with ample room for tool adjustment, and can be set at different heights. The arch is of stiff steel, unusually high; the quick change frame permits the tools to be changed without removing the nuts.

PRICE, \$7.00

### No. 17 SINGLE WHEEL HOE, CULTIVATOR AND PLOW

This latest and best single-wheel hoe has a set of tools such as have been found to work in the very best manner. It has 11-inch wheel with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame; the frame changes in height, and the wheel may be attached to the other side of the frame, when both sides of the row may be hoed at one passage.

PRICE, \$5.00



### No. 11 "PLANET JR." DOUBLE WHEEL HOE

Price with attachments as in cut.

Packed weight, 37 lbs.

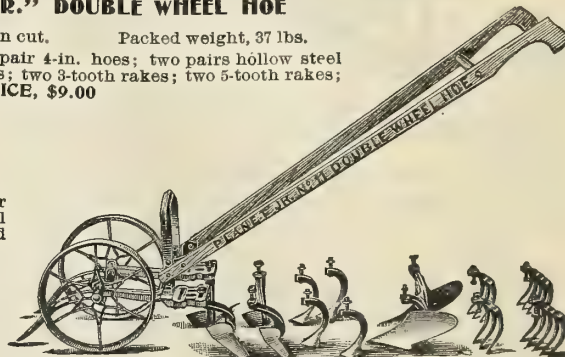
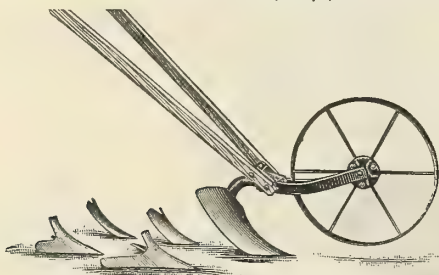
One pair 6-in. hoes; one pair 4-in. hoes; two pairs hollow steel cultivator teeth; one pair plows; two 3-tooth rakes; two 5-tooth rakes; and two leaf lifters.

PRICE, \$9.00

### THE "FIRE-FLY" GARDEN PLOW

This tool is most useful in small gardens, opening furrows for manure or seeds, and covering them quickly. Chicken raisers will find it very useful in plowing up the scratching yards. The moldboard is of tempered and polished steel, the depth is quickly changed.

PRICE, \$2.50



### FARMERS' No. 19 SINGLE WHEEL HOE CULTIVATOR AND PLOW

This new and attractive implement is especially designed for the Farmers' Garden Work, though it offers to everyone, with either field or garden, a cheap and effective tool for all hand wheel hoe operations.

The Wheel is high and is made with stiff steel rim and spokes, and a combination steel and malleable iron hub. The wheel arms are steel and the frame of the tool is attached adjustably to the wheel arms, so that the height of the handles may be readily changed to suit man or boy.

The Standard is slotted to make regulation of depth easy, and, by means of an adjustable malleable filling piece, the same standard is made to carry perfectly all the steels that come with the machine.

PRICE, \$3.50.

"PLANET JR." No. 13 DOUBLE WHEEL HOE.....\$4.75

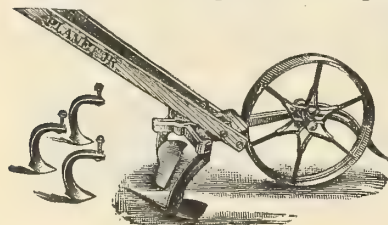
"PLANET JR." No. 16 SINGLE WHEEL HOE, consists of two 6-inch hoes; three cultivator teeth; one 7-inch and one 4-inch rake; a large garden plow and leaf guard. Packed weight, 26 lbs. .... 5.85

"PLANET JR." No. 18 SINGLE WHEEL HOE, one pair 6-in. hoes only ..... 3.50

### THE "PLANET JR." GRASS EDGER

It will do either straight or curved edging at a speed of a mile an hour. It should be the constant companion of the lawn mower. Strawberry growers will find the Grass Edger, with the hoe removed, a rapid and perfect tool for cutting off surplus runners.

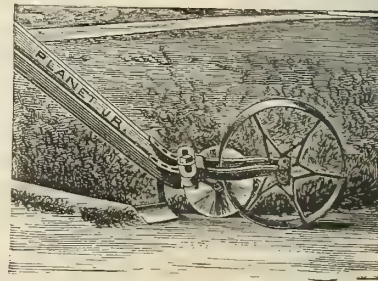
PRICE, \$6.00



### No. 17½ SINGLE WHEEL HOE AND CULTIVATOR

This machine is similar to No. 17, except it has no plow, but it has a leaf lifter. Thousands of them are sold annually for cultivating sugar beets and onions.

PRICE, \$4.50





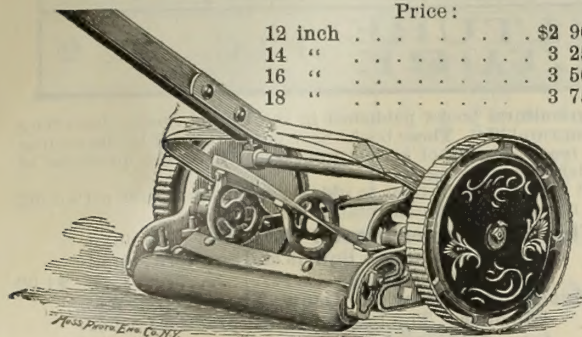
# LAWN MOWERS

## BANNER MOWER

A first-class low-priced Mower for general use.

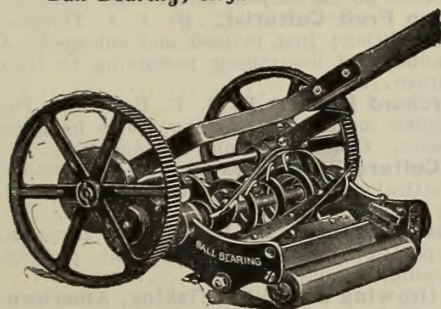
Price:

12 inch . . . . .	\$2 90
14 " . . . . .	3 25
16 " . . . . .	3 50
18 " . . . . .	3 75



## VICTORY

Ball-Bearing; High-Grade Mower



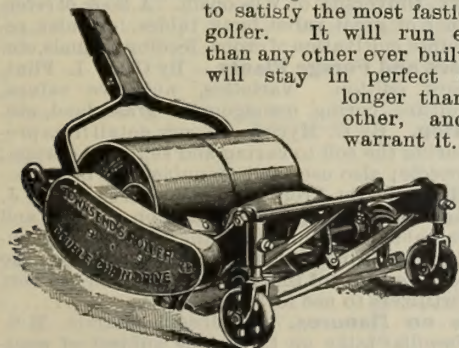
Ball-bearing 10-inch wheels, triple gear, four-bladed reel. A 24-inch mower can be operated as easily as a 16-inch of the old style, and lawn mown in one-quarter of the time.

14 inch . . . . .	\$9 00	20 " . . . . .	\$12 00
16 " . . . . .	10 00	22 " . . . . .	13 00
18 " . . . . .	11 00	24 " . . . . .	13 50

## CHAIN ROLLER GOLF MOWER

Specially Designed for Borders and Golf Greens

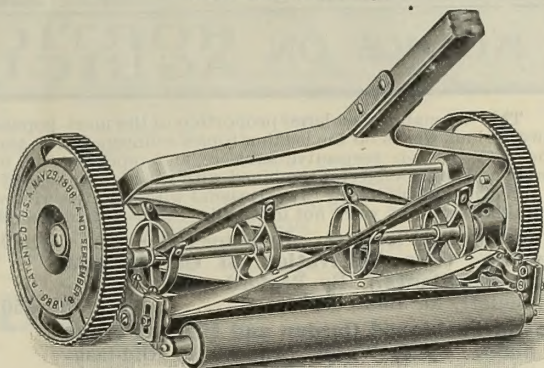
This mower will cut close enough and clean enough to satisfy the most fastidious golfer. It will run easier than any other ever built. It will stay in perfect order longer than any other, and we warrant it.



Sizes . . . . .	12 in.	14 in.	16 in.	18 in.
Net prices . . . . .	\$10 00	\$11 00	\$12 00	\$13 00

## H. W. UNIVERSAL

With Ball Bearings

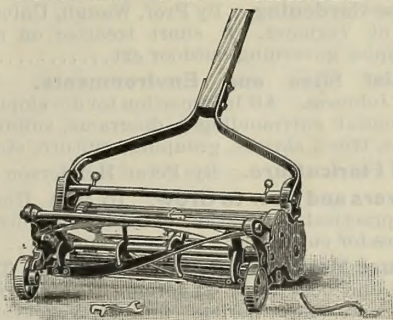


A first-class High Wheel Lawn Mower at a popular price. Four Revolving Knives giving continuous cut. Nine-inch Driving Wheels. Drop forged steel self-locking Pawls. Flexible lower Knife. Self-sharpening. Made of best materials and fully warranted.

Price:

14 inch . . . . .	\$5 50	18 inch . . . . .	\$6 50
16 " . . . . .	6 00	20 " . . . . .	7 00

## EASY BORDER AND TERRACE MOWER



10 inch . . . . .	\$6 00	16 inch . . . . .	\$9 00
12 " . . . . .	7 00	18 " . . . . .	10 00
14 " . . . . .	8 00	20 " . . . . .	11 00

## COLDWELL'S HIGH WHEEL IMPERIAL

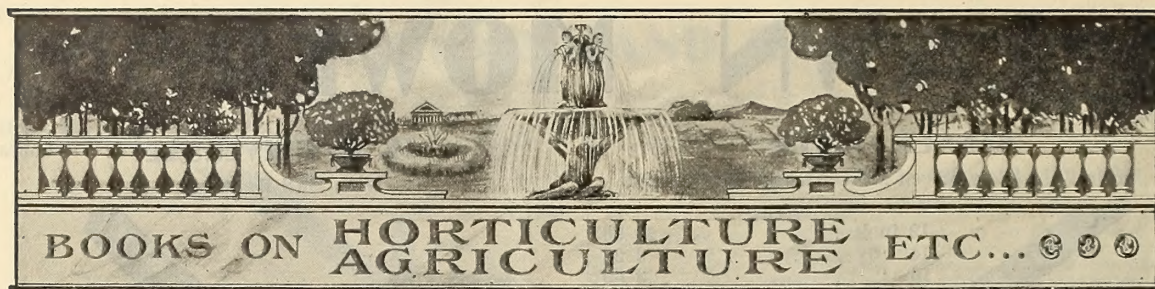


14 inch . . . . .	\$8 00	18 inch . . . . .	\$10 00
16 " . . . . .	9 00	20 " . . . . .	11 00

## TOWNSEND'S HORSE LAWN MOWER

30-in. . . . .	\$75 00	35-in. . . . .	\$80 00	38-in. . . . .	\$85 00
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This list embraces a large proportion of the most popular agricultural books published in the United States, describing briefly various works on the leading topics connected with American rural life. These books have been prepared by the leading authorities on their respective subjects, and represent the most recent results of agricultural research on the questions of farming and allied subjects, combined with the highest type of modern bookmaking.

We are always happy to correspond with our subscribers and cordially invite them to address us on any matter pertaining to rural books. Any work not in this list can be obtained at short notice at the regular retail price.

- |   |   |
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